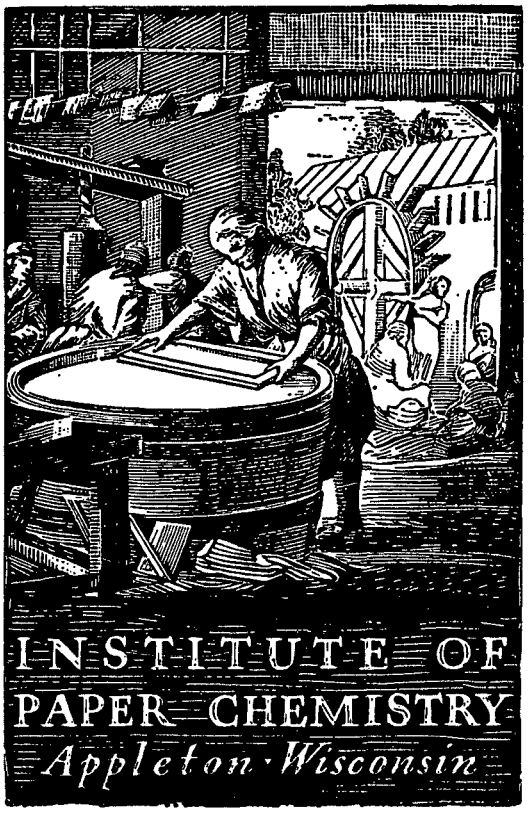

BASE-LINE
4th Quarter, 1984

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1984)
Project 2694-1

Report Ninety-Four
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE

March 1, 1985

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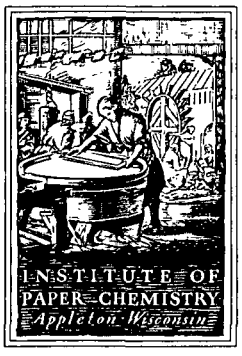

THE INSTITUTE OF PAPER CHEMISTRY
Post Office Box 1039
Appleton, Wisconsin 54912
Phone: 414/734-9251
Telex: 469289

March 1, 1985

Project 2694-1

Dear Sir:

We are enclosing a copy of the following report to the Fourdrinier Kraft Board Group of the American Paper Institute:

> Report Ninety-Four, Project 2694-1 a progress report entitled, "Continuous Baseline Study (Modified); Mill Linerboard Data for October, November, December, 1984" dated March 1, 1985

The code identities for paper machines in your company from which data were submitted for evaluation are given on the inside of the front cover of this report.

Sincerely,

Roger H Van Eperen

Roger H. Van Eperen
Manager, Materials Testing Laboratory
Paper Materials Division

RHM/les

Enclosure

MACMILLAN BLOEDEL

Your machine is identified in this report by the following code.

Pine Hill Machine #1 S3

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1984)

Project 2694-1

Report Ninety-Four

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

March 1, 1985

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1984)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(SEP-DEC. 1984)

Linerboard Grade Wt.		Moisture Content SEP	OCT	NOV	DEC
26 Lb	Max.	6.2	6.5	6.3	6.3
	Min.	3.4	3.5	3.5	3.1
	Ave.	5.0(15)	5.1(14)	5.0(14)	5.1(15)
33 Lb	Max.	6.3	6.5	6.3	6.7
	Min.	4.4	4.3	4.4	3.8
	Ave.	5.3(24)	5.3(22)	5.4(25)	5.3(24)
38 Lb	Max.	6.3	6.5	6.8	6.3
	Min.	5.1	5.2	5.2	4.7
	Ave.	5.7(19)	5.7(15)	5.7(17)	5.6(16)
42 Lb	Max.	6.6	6.8	6.7	6.5
	Min.	4.8	4.7	4.6	4.7
	Ave.	5.8(39)	5.8(39)	5.8(39)	5.8(39)
69 Lb	Max.	7.1	7.0	7.2	6.9
	Min.	5.3	5.4	5.4	5.0
	Ave.	6.3(27)	6.3(30)	6.4(29)	6.2(26)
90 Lb	Max.	6.9	8.7	9.1	7.0
	Min.	5.7	5.0	5.4	5.2
	Ave.	6.3(11)	6.3(13)	6.6(13)	6.2(12)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (SEP-DEC, 1984)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M sq ft			
		SEP	OCT	NOV	DEC
26 Lb	Max.	28.3	28.7	27.9	28.6
	Min.	26.0	26.1	26.0	26.0
	Ave.	26.5(15)	26.7(14)	26.7(14)	26.6(15)
33 Lb	Max.	34.7	34.7	34.4	34.6
	Min.	32.9	32.7	32.8	32.5
	Ave.	33.5(24)	33.5(22)	33.4(25)	33.4(24)
38 Lb	Max.	39.8	39.0	39.6	39.3
	Min.	37.8	37.8	37.9	38.1
	Ave.	38.6(19)	38.4(15)	38.5(16)	38.5(16)
42 Lb	Max.	43.2	43.0	43.0	44.2
	Min.	41.6	41.6	41.6	41.7
	Ave.	42.4(39)	42.4(39)	42.3(39)	42.4(39)
69 Lb	Max.	70.3	71.2	70.1	70.0
	Min.	68.2	68.2	67.8	68.3
	Ave.	69.5(27)	69.5(30)	69.3(29)	69.4(26)
90 Lb	Max.	92.5	92.2	91.1	91.0
	Min.	89.0	89.6	89.8	89.3
	Ave.	91.0(11)	90.9(13)	90.5(13)	90.4(12)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA
(SEP-DEC, 1984)

Linerboard Grade Wt.		Caliper, pt. SEP	OCT	NOV	DEC
26 Lb	Max.	8.6	8.8	8.9	8.7
	Min.	7.1	7.1	7.0	7.2
	Ave.	7.9(15)	7.9(14)	7.9(14)	8.0(15)
33 Lb	Max.	11.3	11.4	11.4	11.3
	Min.	8.3	8.9	8.7	8.7
	Ave.	9.8(23)	9.9(21)	9.9(24)	10.0(23)
38 Lb	Max.	11.7	11.7	11.4	11.7
	Min.	9.8	9.6	9.5	9.5
	Ave.	10.8(18)	10.9(14)	10.8(15)	10.9(15)
42 Lb	Max.	13.4	13.5	13.5	13.3
	Min.	10.7	10.7	10.6	10.7
	Ave.	11.8(38)	12.0(38)	11.9(38)	12.0(38)
69 Lb	Max.	21.3	21.7	21.5	23.0
	Min.	17.6	17.5	17.6	17.4
	Ave.	19.3(26)	19.6(29)	19.4(28)	19.7(24)
90 Lb	Max.	26.8	27.0	26.7	26.3
	Min.	23.1	23.2	23.4	22.9
	Ave.	25.0(11)	25.3(13)	25.5(13)	25.2(12)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (SEP-DEC, 1984)

Linerboard Grade Wt.		Bursting Strength, psig			
		SEP	OCT	NOV	DEC
26 Lb	Max.	92	87	87	84
	Min.	66	66	66	64
	Ave.	72(15)	74(14)	72(14)	72(15)
33 Lb	Max.	102	112	101	108
	Min.	79	79	76	78
	Ave.	86(24)	88(22)	87(25)	86(24)
38 Lb	Max.	106	102	101	104
	Min.	91	93	89	89
	Ave.	97(19)	97(15)	96(17)	96(16)
42 Lb	Max.	131	119	122	123
	Min.	100	100	101	100
	Ave.	106(39)	106(39)	106(39)	105(39)
69 Lb	Max.	165	160	157	161
	Min.	135	133	136	134
	Ave.	144(27)	143(30)	143(29)	144(26)
90 Lb	Max.	193	188	203	197
	Min.	154	151	155	154
	Ave.	174(11)	172(13)	172(13)	176(12)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART V: SUMMARY OF CD RING CRUSH DATA (SEP-DEC, 1984)

Linerboard Grade Wt.		CD Ring Crush, lb			
		SEP	OCT	NOV	DEC
26 Lb	Max.	43.0	51.0	49.0	53.0
	Min.	26.0	29.5	29.0	29.0
	Ave.	36.1(9)	38.4(8)	39.1(9)	39.6(8)
33 Lb	Max.	65.0	67.0	71.0	69.0
	Min.	45.0	44.0	43.0	41.0
	Ave.	54.3(13)	53.9(14)	56.8(15)	54.0(16)
38 Lb	Max.	78.0	89.0	75.0	79.0
	Min.	49.0	51.0	53.0	51.0
	Ave.	65.5(13)	67.0(10)	66.3(12)	67.4(11)
42 Lb	Max.	84.6	88.5	86.0	85.0
	Min.	61.0	59.0	56.1	57.7
	Ave.	72.1(25)	71.6(25)	72.8(26)	71.4(27)
69 Lb	Max.	133.0	140.0	134.0	131.1
	Min.	93.0	90.0	100.5	97.0
	Ave.	114.9(20)	114.0(20)	117.5(19)	114.2(18)
90 Lb	Max.	168.0	163.0	180.0	187.0
	Min.	142.0	123.0	135.0	132.0
	Ave.	152.9(9)	147.4(11)	151.5(10)	153.7(10)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, and CD ring crush tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in Tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, bursting strength, and CD ring crush are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-lb Linerboard
V-VI-VII-VIII	Mill Test Averages on 33-lb Linerboard
IX-X-XI-XII	Mill Test Averages on 38-lb Linerboard
XIII-XIV-XV-XVI	Mill Test Averages on 42-lb Linerboard
XVII-XVIII-XIX-XX	Mill Test Averages on 69-lb Linerboard
XXI-XXII-XXIII-XXIV	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1964

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1		5.8				25.2				25.8				7.8				69		
J1	5.1	5.3	96.2	102.0	25.8	25.7	100.4	99.2	26.5	26.4	100.4	100.0	7.1	7.4	95.9	89.9	77	71	108.4	108.4
H1	5.3			106.0	25.8			99.2	26.5			100.0	7.4			93.7	78			109.8
X1	3.8	3.5	108.6	76.0	27.1	26.9	100.7	104.2	28.3	28.2	100.4	106.8	7.7	7.0	110.0	97.5	71	74	95.9	100.0
Y1	3.5	3.7	94.6	70.0	25.3	25.8	98.1	97.3	26.5	26.9	98.5	100.0	8.7	8.8	98.9	110.1	68	70	97.1	95.8
A2		5.2				25.8				26.5				7.7				69		
F2	5.0	4.6	108.7	100.0	26.4	26.1	101.1	101.5	27.2	27.0	100.7	102.6	8.0	7.8	102.6	101.3	84	71	118.3	118.3
G2	6.2	5.8	106.9	124.0	26.1	26.0	100.4	100.4	26.2	26.0	100.8	98.9	7.9	8.1	97.5	100.0	72	69	104.3	101.4
S2		3.8				26.5				26.6				8.4				82		
A3	5.5	4.9	112.2	110.0	25.5	25.6	99.6	98.1	26.1	26.4	98.9	98.5	8.0	7.9	101.3	101.3	78	78	100.0	109.8
B3	4.5	5.0	90.0	90.0	26.4	26.4	100.0	101.5	26.5	26.5	100.0	100.0	7.9	8.0	98.8	100.0	67	68	98.5	94.4
G3		5.2				26.0				26.7				8.2				76		
P3	6.5	6.4	101.6	130.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.7	7.6	101.3	97.5	66	65	101.5	93.0
Y3	4.3	4.0	107.5	86.0	26.0	25.9	100.4	100.0	27.0	27.0	100.0	101.9	7.7	7.8	98.7	97.5	73	70	104.3	102.8
Z3	5.7	5.8	98.3	114.0	26.0	26.0	100.0	100.0	26.2	26.2	100.0	98.9	8.8	8.5	103.5	111.4	66	65	101.5	93.0
B4		5.8				26.1				26.2				6.8				65		
D4	4.6	5.1	90.2	92.0	27.7	25.9	106.9	106.5	28.7	26.7	107.5	108.3	7.9	8.3	95.2	100.0	87	83	104.8	122.5
G4		5.9				25.9				26.4				7.7				67		
J4		4.5				25.4				26.2				7.6				71		
O4	5.0	5.0	100.0	100.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.0	7.8	102.6	101.3	76	71	107.0	107.0
P4		5.0				26.0				26.1				8.0				70		
S4	6.3	5.7	110.5	126.0	26.1	26.2	99.6	100.4	26.2	26.3	99.6	98.9	7.8	7.8	100.0	98.7	66	68	97.0	93.0

FKBG DATA

	CUR. AV.	CUM. AV.	IND. *D
	5.1	5.0	102.0
	26.2	26.0	100.8
	26.7	26.5	100.8
	7.9	7.9	100.0
	74	71	104.2

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1		5.8				25.2				25.8				7.8				69		
J1	5.1	5.4	94.4	102.0	25.7	25.8	99.6	98.8	26.4	26.4	100.0	99.2	7.0	7.3	95.9	98.6	75	72	104.2	104.2
M1		5.3				25.8				26.5				7.4				78		
X1	3.7	3.5	105.7	74.0	26.7	27.0	98.9	102.7	27.9	28.2	98.9	104.9	7.5	7.2	104.2	94.9	80	74	108.1	111.1
Y1	3.5	3.7	94.6	70.0	25.7	25.7	100.0	98.8	26.9	26.9	100.0	101.1	8.7	8.8	98.9	110.1	69	70	98.6	95.8
A2	5.3	5.2	101.9	106.0	25.8	25.8	100.0	99.2	26.5	26.5	100.0	99.6	8.2	7.7	106.5	103.8	66	69	95.6	91.7
F2	4.7	4.7	100.0	94.0	26.8	26.2	102.3	103.1	27.7	27.1	102.2	104.1	8.7	7.9	110.1	110.1	81	74	109.4	112.5
G2	5.8	5.9	98.3	116.0	26.4	26.0	101.5	101.5	26.5	26.0	101.9	99.6	8.1	8.0	101.2	102.5	70	70	100.0	97.2
S2		3.8				26.5				26.6				8.5				82		
A3		5.0				25.6				26.4				7.9				78		
B3	4.7	5.0	94.0	94.0	26.4	26.4	100.0	101.5	26.5	26.5	100.0	99.6	8.1	8.0	101.2	102.5	67	67	100.0	93.0
G3		5.2				26.0				26.7				8.2				76		
P3	6.3	6.4	98.4	126.0	25.9	26.0	99.6	99.6	26.0	26.1	99.6	97.7	7.6	7.6	100.0	96.2	69	65	106.2	95.8
Y3	4.0	4.0	100.0	80.0	25.6	25.9	98.8	98.5	26.6	27.0	98.5	100.0	7.5	7.8	96.2	94.9	70	71	98.6	97.2
Z3	5.6	5.8	96.6	112.0	26.0	26.0	100.0	100.0	26.2	26.2	100.0	98.5	8.9	8.6	103.5	112.6	66	65	101.5	91.7
B4		5.8				26.1				26.2				6.8				65		
D4	4.7	5.1	92.2	94.0	26.9	26.1	103.1	103.5	27.8	26.9	103.3	104.5	7.4	8.2	90.2	93.7	87	83	104.8	120.8
G4	5.5	5.9	93.2	110.0	25.7	25.9	99.2	98.8	26.3	26.4	99.6	98.9	7.7	7.7	100.0	97.5	67	67	100.0	93.0
J4		4.5				25.4				26.2				7.6				71		
O4	5.1	5.0	102.0	102.0	26.2	26.0	100.8	100.8	26.3	26.1	100.8	98.9	8.0	7.8	102.6	101.3	74	72	102.8	102.8
P4		5.0				26.0				26.1				8.0				70		
S4	5.8	5.8	100.0	116.0	26.0	26.2	99.2	100.0	26.1	26.3	99.2	98.1	7.8	7.8	100.0	98.7	70	68	102.9	97.2
FKBG DATA																				
CUR. AV.	5.0				26.1				26.7				7.9				72			
CUM. AV.	5.0				26.0				26.6				7.9				72			
IND. *D	100.0				100.4				100.4				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1	6.0	5.8	103.4	120.0	25.5	25.2	101.2	97.7	26.0	25.8	100.8	97.7	7.9	7.8	101.3	100.0	72	69	104.3	100.0
J1		5.3				25.7				26.4				7.2				72		
H1		5.3				25.8				26.5				7.4				78		
X1	3.1	3.5	88.6	62.0	26.4	26.9	98.1	101.1	27.7	28.2	98.2	104.1	7.2	7.2	100.0	91.1	76	75	101.3	105.6
Y1		3.7				25.7				26.9				8.8				70		
A2		5.2				25.8				26.5				7.8				68		
F2	4.7	4.7	100.0	94.0	26.4	26.3	100.4	101.1	27.3	27.2	100.4	102.6	8.5	8.0	106.2	107.6	73	75	97.3	101.4
G2	6.1	5.9	103.4	122.0	26.2	26.0	100.8	100.4	26.3	26.1	100.8	98.9	8.2	8.0	102.5	103.8	70	69	101.4	97.2
S2	4.0	3.8	105.3	80.0	26.6	26.5	100.4	101.9	26.7	26.6	100.4	100.4	8.2	8.5	96.5	103.8	84	83	101.2	116.7
A3	5.4	5.0	108.0	108.0	25.6	25.6	100.0	98.1	26.3	26.4	99.6	98.9	8.4	7.9	106.3	106.3	74	78	94.9	102.8
B3	4.9	5.0	98.0	98.0	26.3	26.4	99.6	100.8	26.4	26.5	99.6	99.2	8.0	8.0	100.0	101.3	68	67	101.5	94.4
G3	4.9	5.2	94.2	98.0	25.9	26.0	99.6	99.2	26.7	26.8	99.6	100.4	7.9	8.2	96.3	100.0	72	75	96.0	100.0
P3	6.3	6.4	98.4	126.0	25.9	26.0	99.6	99.2	26.0	26.1	99.6	97.7	7.6	7.6	100.0	96.2	68	65	104.6	94.4
Y3	3.8	4.0	95.0	76.0	25.6	25.9	98.8	98.1	26.7	27.0	98.9	100.4	7.6	7.8	97.4	96.2	73	71	102.8	101.4
Z3	5.8	5.8	100.0	116.0	26.1	26.0	100.4	100.0	26.3	26.2	100.4	98.9	8.7	8.6	101.2	110.1	69	65	106.2	95.8
B4		5.8				26.1				26.2				6.8				65		
D4	4.8	5.1	94.1	96.0	27.7	26.2	105.7	106.1	28.6	27.0	105.9	107.5	8.1	8.1	100.0	102.5	82	84	97.6	113.9
G4		5.8				25.9				26.4				7.7				67		
J4		4.4				25.3				26.2				7.8				69		
O4	5.0	5.0	100.0	100.0	26.1	26.1	100.0	100.0	26.2	26.2	100.0	98.5	8.0	7.9	101.3	101.3	71	72	98.6	98.6
P4		5.0				26.0				26.1				8.0				70		
S4	6.1	5.8	105.2	122.0	26.1	26.2	99.6	100.0	26.2	26.3	99.6	98.5	7.3	7.8	93.6	92.4	68	68	100.0	94.4
U4	6.0			120.0	26.0			99.6	26.1			98.1	7.8			98.7	64			88.9

FKBG DATA

CUR. AV.	5.1				26.2				26.6				8.0				72			
CUM. AV.	5.0				26.1				26.6				7.9				72			
IND. *D	102.0				100.4				100.0				101.3				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1984				NOVEMBER, 1984				DECEMBER, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1		30.7				31.1			31.0	31.7	97.8	84.2
J1	29.5	31.8	92.8	81.5	34.7	30.4	114.1	95.3		31.0		
M1	36.0			99.4		36.0				36.0		
X1	51.0	47.7	106.9	140.9	45.0	48.2	93.4	123.6	53.0	48.1	110.2	144.0
Y1	39.0	36.6	106.6	107.7	38.0	37.0	102.7	104.4		37.1		
A2					49.0			134.6		49.0		
F2												
G2	45.0	38.6	116.6	124.3	49.0	39.4	124.4	134.6	49.0	40.6	120.7	133.2
S2		34.8				34.9			38.0	35.1	108.3	103.3
A3												
B3												
G3									45.0			122.3
P3												
Y3	37.5	36.3	103.3	103.6	34.2	36.3	94.2	94.0	35.9	36.2	99.2	97.6
Z3	39.0	37.2	104.8	107.7	36.0	37.9	95.0	98.9	36.0	38.3	94.0	97.8
B4												
D4												
G4		33.2			37.0	33.2	111.4	101.6		33.4		
J4												
O4	30.0	32.3	92.9	82.9	29.0	31.7	91.5	79.7	29.0	31.5	92.1	78.8
P4		31.2				31.2				31.2		
S4												
U4												

FKBG DATA			
CUR. AV.	38.4	39.1	39.6
CUM. AV.	36.2	36.4	36.8
IND. *D	106.1	107.4	107.6

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., #A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
C1	5.8	5.8	100.0	111.5	33.0	33.1	99.7	100.6	33.1	33.2	99.7	99.1					79	82	96.3	91.9
E1		6.0				31.7				32.3				9.6				82		
H1	4.6	4.6	100.0	88.5	32.4	32.3	100.3	98.8	32.7	32.6	100.3	97.9	9.8	9.9	99.0	99.0	83	81	102.5	96.5
J1	5.3	5.5	96.4	101.9	32.6	32.7	99.7	99.4	33.5	33.5	100.0	100.3	9.1	9.4	96.8	91.9	90	83	108.4	104.6
M1	5.5	5.6	98.2	105.8	32.4	32.4	100.0	98.8	33.2	33.2	100.0	99.4	8.9	9.6	92.7	89.9	88	91	96.7	102.3
X1	4.3	4.0	107.5	82.7	32.8	32.7	100.3	100.0	34.0	34.0	100.0	101.8	9.3	8.7	106.9	93.9	86	86	100.0	100.0
Y1		4.4				32.5				33.7				10.8				89		
Z1		3.1				32.0				33.7				10.0				90		
A2		5.5				32.6				33.5				10.0				83		
B2		5.4				33.0				33.3				10.0				81		
C2	6.1	5.2	117.3	117.3	33.4	32.9	101.5	101.8	34.0	33.8	100.6	101.8	9.7	9.6	101.0	98.0	98	87	112.6	114.0
D2	4.7	4.9	95.9	90.4	32.1	32.8	97.9	97.9	33.2	33.2	100.0	99.4	9.2	9.7	94.8	92.9	93	90	103.3	108.1
F2	5.3	5.3	100.0	101.9	33.4	33.1	100.9	101.8	34.3	34.0	100.9	102.7	10.5	9.6	109.4	106.1	86	83	103.6	100.9
G2	6.0	5.9	101.7	115.4	33.3	32.8	101.5	101.5	33.4	32.9	101.5	100.0	10.1	10.2	99.0	102.0	87	83	104.8	101.2
A3	5.7	5.5	103.6	109.6	32.1	32.1	100.0	97.9	32.8	32.9	99.7	98.2	10.5	10.4	101.0	106.1	100	95	105.3	116.3
B3	5.2	5.4	96.3	100.0	33.3	33.3	100.0	101.5	33.4	33.4	100.0	100.0	9.9	9.9	100.0	100.0	80	81	98.8	93.0
C3	4.5	4.3	104.6	86.5	32.3	32.4	99.7	98.5	33.5	33.6	99.7	100.3	11.4	11.6	98.3	115.2	85	87	97.7	98.8
G3	5.3	5.4	98.1	101.9	33.2	33.0	100.6	101.2	34.1	33.8	100.9	102.1	9.9	10.1	98.0	100.0	89	85	104.7	103.5
H3	4.9	4.9	100.0	94.2	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.4	10.4	10.2	102.0	105.0	91	92	98.9	105.8
P3	6.5	6.6	98.5	125.0	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.9	10.1	98.0	100.0	87	85	102.4	101.2
Y3	4.4	4.5	97.8	84.6	32.8	32.7	100.3	100.0	34.0	33.9	100.3	101.8	9.6	9.8	98.0	97.0	87	86	101.2	101.2
Z3	5.5	5.9	93.2	105.8	32.9	33.0	99.7	100.3	33.2	33.3	99.7	99.4	10.5	10.3	101.9	106.1	81	78	103.8	94.2
B4		5.9				33.0				33.1				8.7				88		
D4	4.6	5.1	90.2	88.5	33.5	33.0	101.5	102.1	34.7	34.0	102.0	103.9	9.9	9.8	101.0	100.0	112	100	112.0	130.2
G4	6.1	5.8	105.2	117.3	32.7	32.6	100.3	99.7	33.3	33.3	100.0	99.7	9.9	9.7	102.1	100.0	79	82	96.3	91.9
J4	4.8	5.1	94.1	92.3	32.4	32.6	99.4	98.8	33.5	33.5	100.0	100.3	9.4	9.8	95.9	94.9	85	84	101.2	98.8
O4	5.0	5.0	100.0	96.2	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.9	10.1	98.0	100.0	87	85	102.4	101.2
P4		5.0				33.0				33.1				9.8				84		
S4	6.3	6.0	105.0	121.2	33.0	33.1	99.7	100.6	33.2	33.3	99.7	99.4	9.8	9.8	100.0	99.0	87	81	107.4	101.2
T4		5.2				32.7				33.0				10.3				82		
U4		6.3				33.0				33.1				9.2				87		
FKBG DATA CUR. AV.	5.3				32.8				33.5				9.9				88			
CUM. AV.	5.2				32.8				33.4				9.9				86			
IND. #D	101.9				100.0				100.3				100.0				102.3			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.9	5.8	101.7	111.3	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.4					80	81	98.8	93.0
E1		6.0				31.6				32.3				9.6				82		
H1		4.6				32.4				32.7				9.9				81		
J1	5.2	5.5	94.5	98.1	32.5	32.7	99.4	99.1	33.4	33.5	99.7	100.0	9.3	9.3	100.0	93.9	90	84	107.1	104.6
M1	5.2	5.6	92.8	98.1	32.3	32.4	99.7	98.5	33.2	33.2	100.0	99.4	8.7	9.6	90.6	87.9	86	90	95.6	100.0
X1	4.5	4.0	112.5	84.9	32.8	32.7	100.3	100.0	34.0	34.1	99.7	101.8	9.1	8.8	103.4	91.9	86	86	100.0	100.0
Y1		4.4				32.5				33.7				10.8				89		
Z1		3.1				32.0				33.7				10.1				90		
A2	5.9	5.5	107.3	111.3	32.8	32.6	100.6	100.0	33.5	33.5	100.0	100.3	10.4	10.0	104.0	105.0	76	83	91.6	88.4
B2		5.4				33.0				33.3				10.0				81		
C2	6.1	5.4	113.0	115.1	32.7	33.0	99.1	99.7	33.3	33.8	98.5	99.7	9.6	9.6	100.0	97.0	101	90	112.2	117.4
D2	4.8	5.0	96.0	90.6	32.1	32.8	97.9	97.9	33.2	33.2	100.0	99.4	10.1	9.5	106.3	102.0	86	91	94.5	100.0
F2	5.2	5.3	98.1	98.1	33.5	33.2	100.9	102.1	34.4	34.1	100.9	103.0	10.3	9.7	106.2	104.0	88	84	104.8	102.3
G2	5.9	5.9	100.0	111.3	33.5	32.9	101.8	102.1	33.6	33.0	101.8	100.6	10.2	10.2	100.0	103.0	83	83	100.0	96.5
A3	5.5	5.5	100.0	103.8	32.4	32.1	100.9	98.8	33.2	32.9	100.9	99.4	10.1	10.4	97.1	102.0	97	96	101.0	112.8
B3	4.9	5.4	90.7	92.4	33.3	33.3	100.0	101.5	33.4	33.4	100.0	100.0	9.9	9.9	100.0	100.0	82	81	101.2	95.3
C3	4.6	4.4	104.5	86.8	32.3	32.4	99.7	98.5	33.4	33.6	99.4	100.0	11.4	11.6	98.3	115.2	86	87	98.8	100.0
G3	5.4	5.4	100.0	101.9	33.0	33.0	100.0	100.6	33.9	33.8	100.3	101.5	9.8	10.1	97.0	99.0	81	86	94.2	94.2
H3	5.1	4.9	104.1	96.2	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.4	10.1	10.2	99.0	102.0	92	91	101.1	107.0
P3	6.3	6.6	95.4	118.9	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.7	10.1	96.0	98.0	99	85	116.5	115.1
Y3	4.4	4.5	97.8	83.0	32.2	32.7	98.5	98.2	33.4	33.9	98.5	100.0	9.6	9.7	99.0	97.0	86	86	100.0	100.0
Z3	5.7	5.9	96.6	107.5	32.9	33.0	99.7	100.3	33.2	33.3	99.7	99.4	10.6	10.3	102.9	107.1	79	79	100.0	91.9
B4	6.2	5.9	105.1	117.0	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	8.7	8.8	98.9	87.9	91	88	103.4	105.8
D4	5.0	5.0	100.0	94.3	33.3	33.1	100.6	101.5	34.3	34.1	100.6	102.7	10.5	9.9	106.1	106.1	95	100	95.0	110.5
G4	6.2	5.9	105.1	117.0	32.5	32.6	99.7	99.1	33.1	33.3	99.4	99.1	9.6	9.7	99.0	97.0	79	82	96.3	91.9
J4	5.2	5.0	104.0	98.1	32.5	32.5	100.0	99.1	33.4	33.5	99.7	100.0	10.0	9.7	103.1	101.0	82	84	97.6	95.3
O4	5.1	5.0	102.0	96.2	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	10.1	10.1	100.0	102.0	87	85	102.4	101.2
P4		5.0				33.0				33.1				9.8				84		
S4	6.2	6.0	103.3	117.0	33.1	33.1	100.0	100.9	33.3	33.3	100.0	99.7	9.6	9.8	98.0	97.0	88	82	107.3	102.3
T4	4.8	5.2	92.3	90.6	32.5	32.7	99.4	99.1	32.8	33.0	99.4	98.2	10.4	10.3	101.0	105.0	92	82	112.2	107.0
U4	6.1	6.3	96.8	115.1	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.2	9.2	100.0	92.9	86	87	98.8	100.0
FKBG DATA																				
CUR. AV.	5.4				32.8				33.4				9.9				87			
CUM. AV.	5.3				32.8				33.4				9.9				86			
IND. *D	101.9				100.0				100.0				100.0				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.8	100.0	109.4	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.4					82	81	101.2	95.3
E1	6.0	6.0	100.0	113.2	31.9	31.7	100.6	97.2	32.5	32.3	100.6	97.3	9.6	9.6	100.0	97.0	80	82	97.6	93.0
H1	4.8	4.6	104.3	90.6	32.8	32.4	101.2	100.0	33.1	32.7	101.2	99.1	10.0	9.9	101.0	101.0	84	82	102.4	97.7
J1	5.3	5.5	96.4	100.0	32.5	32.7	99.4	99.1	33.4	33.5	99.7	100.0	9.3	9.3	100.0	93.9	84	85	98.8	97.7
M1	4.8	5.5	87.3	90.6	32.2	32.4	99.4	98.2	33.3	33.2	100.3	99.7	9.2	9.5	96.8	92.9	84	90	93.3	97.7
X1	3.8	4.1	92.7	71.7	33.2	32.8	101.2	101.2	34.6	34.1	101.5	103.6	8.7	8.8	98.9	87.9	89	86	103.5	103.5
Y1	4.2	4.4	95.4	79.2	32.3	32.5	99.4	98.5	33.6	33.7	99.7	100.6	11.0	10.7	102.8	111.1	86	89	96.6	100.0
Z1		3.2				32.1				33.7				10.3				91		
A2		5.5				32.7				33.5				10.0				82		
B2		5.4				33.0				33.3				10.0				81		
C2	5.9	5.6	105.4	111.3	32.8	33.0	99.4	100.0	33.5	33.8	99.1	100.3	9.7	9.6	101.0	98.0	90	93	96.8	104.6
D2		5.0				32.8				33.2				9.5				91		
F2	5.4	5.3	101.9	101.9	33.4	33.2	100.6	101.8	34.3	34.1	100.6	102.7	11.0	9.8	112.2	111.1	85	84	101.2	98.8
G2	6.1	6.0	101.7	115.1	33.4	33.0	101.2	101.8	33.5	33.1	101.2	100.3	10.4	10.2	102.0	105.0	85	83	102.4	98.8
A3	5.5	5.5	100.0	103.8	32.4	32.1	100.9	98.8	33.2	32.9	100.9	99.4	10.4	10.4	100.0	105.0	96	96	100.0	111.6
B3	5.4	5.4	100.0	101.9	33.2	33.3	99.7	101.2	33.3	33.4	99.7	99.7	10.0	9.9	101.0	101.0	83	81	102.5	96.5
C3	4.3	4.5	95.6	81.1	32.3	32.4	99.7	98.5	33.5	33.6	99.7	100.3	11.3	11.5	98.3	114.1	89	87	102.3	103.5
G3	5.2	5.4	96.3	98.1	32.8	33.0	99.4	100.0	33.7	33.8	99.7	100.9	10.0	10.0	100.0	101.0	80	86	93.0	93.0
H3	4.8	4.9	98.0	90.6	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.4	10.0	10.2	98.0	101.0	94	91	103.3	109.3
P3	6.7	6.6	101.5	126.4	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.8	10.0	10.0	100.0	101.0	89	86	103.5	103.5
Y3	4.5	4.5	100.0	84.9	32.3	32.7	98.8	98.5	33.5	33.8	99.1	100.3	9.8	9.7	101.0	99.0	83	86	96.5	96.5
Z3	5.8	5.9	98.3	109.4	33.0	33.0	100.0	100.6	33.3	33.3	100.0	99.7	10.3	10.4	99.0	104.0	81	79	102.5	94.2
B4		5.9				33.0				33.1				8.8				88		
D4	5.1	5.1	100.0	96.2	33.0	33.1	99.7	100.6	34.0	34.1	99.7	101.8	9.9	9.9	100.0	100.0	108	100	108.0	125.6
G4	6.0	6.0	100.0	113.2	32.5	32.6	99.7	99.1	33.2	33.2	100.0	99.4	9.7	9.7	100.0	98.0	78	82	95.1	90.7
J4		5.0				32.6				33.5				9.8				84		
O4	5.1	5.0	102.0	96.2	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	10.3	10.1	102.0	104.0	82	85	96.5	95.3
P4	5.0	5.0	100.0	94.3	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.7	9.8	99.0	98.0	84	84	100.0	97.7
S4	6.1	6.0	101.7	115.1	33.0	33.1	99.7	100.6	33.2	33.3	99.7	99.4	9.5	9.8	96.9	96.0	82	82	100.0	95.3
T4		5.0				32.6				32.9				10.4				87		
U4	6.2	6.3	98.4	117.0	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.3	9.2	101.1	93.9	87	87	100.0	101.2
FKBG DATA																				
CUR. AV.	5.3				32.8				33.4				10.0				86			
CUM. AV.	5.3				32.8				33.4				9.9				86			
IND. *D	100.0				100.0				100.0				101.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1984				NOVEMBER, 1984				DECEMBER, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
C1	55.0	52.5	104.8	102.8	54.0	53.7	100.6	100.7	55.0	54.1	101.7	102.2
E1		41.7				41.4			45.0	41.8	107.6	83.6
H1	48.0	51.8	92.7	89.7		51.4			51.0	51.1	99.8	94.8
J1	51.2	49.8	102.8	95.7	60.2	50.1	120.2	112.3	58.8	51.0	115.3	109.3
M1	48.0	54.8	87.6	89.7	48.0	54.1	86.7	89.6	44.0	53.6	82.1	81.8
X1	63.0	59.0	106.8	117.8	60.0	59.6	100.7	111.9	68.0	59.8	113.7	126.4
Y1		58.0				58.1			62.0	58.2	106.5	115.2
Z1		56.8				55.5				56.0		
A2					62.0			115.7		62.0		
B2		51.0				51.0				51.0		
C2		48.5				48.5				48.0		
D2	53.0	63.7	83.2	99.1	61.0	62.7	97.3	113.8		61.7		
F2												
G2	67.0	55.8	120.1	125.2	71.0	57.2	124.1	132.5	69.0	59.3	116.4	128.2
A3		57.4				59.0						
B3												
C3	54.0	55.6	97.1	100.9	55.0	55.2	99.6	102.6	52.0	54.5	95.4	96.6
G3	56.0			104.7	61.4	56.0	109.6	114.6	58.7	58.7	100.0	109.1
H3	60.0	60.4	99.3	112.1	66.0	60.6	108.9	123.1	64.0	60.8	105.3	119.0
P3												
Y3	52.9	53.9	98.1	98.9	51.1	53.7	95.2	95.3	52.3	53.5	97.8	97.2
Z3	56.0	50.9	110.0	104.7	53.0	51.9	102.1	98.9	50.0	52.6	95.0	92.9
B4												
D4												
G4	46.0	50.2	91.6	86.0	51.0	49.9	102.2	95.1	53.0	49.3	107.5	96.5
J4												
O4	44.0	47.1	93.4	82.2	43.0	46.8	91.9	80.2	41.0	46.5	88.2	76.2
P4		45.5				45.5			41.0	45.5	90.1	76.2
S4												
T4		56.0			56.0	56.0	100.0	104.5		56.0		
U4												

FKBG DATA			
CUR. AV.	53.9	56.8	54.0
CUM. AV.	53.5	53.6	53.8
IND. #D	100.7	106.0	100.4

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.9	98.3	103.6	38.0	38.3	99.2	100.0	38.1	38.4	99.2	99.0					96	93	103.2	98.0
F1	5.7	5.5	103.6	101.8	37.7	37.9	99.5	99.2	37.8	38.0	99.5	98.2	10.8	10.4	103.8	99.1	98	98	100.0	100.0
J1	5.9	5.8	101.7	105.4	37.6	37.6	100.0	98.9	38.4	38.4	100.0	99.7	10.6	10.7	99.1	97.2	101	97	104.1	103.1
M1		6.1				37.6				38.3				10.0				96		
T1		5.4				38.3				38.4				10.7				98		
W1	6.0	5.8	103.4	107.1	38.3	38.2	100.3	100.8	38.4	38.3	100.3	99.7	11.7	11.5	101.7	107.3	98	92	106.5	100.0
X1	5.3	5.4	98.1	94.6	37.7	38.2	98.7	99.2	38.7	39.2	98.7	100.5	9.6	9.5	101.0	88.1	95	97	97.9	96.9
Y1		5.1				37.5				38.6				11.3				99		
Z1		4.6				37.6				38.9				11.2				104		
B2		5.5				38.2				38.5				11.0				96		
C2	5.6	5.5	101.8	100.0	38.1	37.6	101.3	100.3	39.0	38.6	101.0	101.3	11.2	11.1	100.9	102.8	102	98	104.1	104.1
D2		6.2				37.9				38.1				10.3				103		
E2	5.8	5.6	103.6	103.6	38.4	38.3	100.3	101.0	38.5	38.4	100.3	100.0	11.1	10.2	108.8	101.8	93	98	94.9	94.9
F2		5.5				38.5				39.5				10.2				95		
S2		5.0				38.3				38.4				11.8				104		
A3		5.9				37.4				38.2				11.7				112		
B3		5.5				38.3				38.4				11.0				96		
C3		5.3				37.9				39.0				12.6				98		
F3		5.8				37.9				38.7				10.8				96		
G3	5.4	5.7	94.7	96.4	38.0	38.2	99.5	100.0	39.0	39.1	99.7	101.3	11.1	11.6	95.7	101.8	95	95	100.0	96.9
H3	5.3	5.4	98.1	94.6	38.0	38.1	99.7	100.0	38.1	38.2	99.7	99.0	11.0	11.5	95.6	100.9	101	98	103.1	103.1
L3	5.4	5.5	98.2	96.4	37.6	37.7	99.7	98.9	38.6	38.6	100.0	100.2	10.8	11.1	97.3	99.1	97	98	99.0	99.0
S3		5.6				37.9				38.8				10.8				100		
Y3	5.2	5.1	102.0	92.8	37.7	37.8	99.7	99.2	38.8	38.9	99.7	100.8	10.8	10.8	100.0	99.1	97	97	100.0	99.0
D4		5.1				37.2				38.3				11.6				103		
H4	6.1	6.0	101.7	108.9	37.5	37.6	99.7	98.7	38.2	38.3	99.7	99.2	10.3	10.5	98.1	94.5	101	100	101.0	103.1
O4	6.0	6.0	100.0	107.1	38.0	38.0	100.0	100.0	38.1	38.1	100.0	99.0	11.2	11.2	100.0	102.8	95	94	101.1	96.9
Q4	5.7	5.7	100.0	101.8	37.9	37.8	100.3	99.7	38.8	38.7	100.2	100.8	10.9	10.7	101.9	100.0	94	96	97.9	95.9
R4		5.6				37.8				38.7				11.1				100		
S4	6.5	6.3	103.2	116.1	38.0	38.0	100.0	100.0	38.2	38.2	100.0	99.2	11.1	11.0	100.9	101.8	95	93	102.2	96.9
FKBG DATA																				
CUR. AV.	5.7				37.9				38.4				10.9				97			
CUM. AV.	5.6				38.0				38.5				10.9				98			
IND. *D	101.8				99.7				99.7				100.0				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.8	100.0	103.6	38.4	38.2	100.5	101.0	38.5	38.4	100.3	100.0					89	93	95.7	91.8
F1	5.9	5.5	107.3	105.4	37.8	37.8	100.0	99.5	37.9	38.0	99.7	98.4	10.9	10.5	103.8	99.1	98	98	100.0	101.0
J1	5.3	5.8	91.4	94.6	37.4	37.6	99.5	98.4	38.4	38.4	100.0	99.7	10.6	10.7	99.1	96.4	98	98	100.0	101.0
M1		6.1				37.6				38.3				10.0				96		
T1		5.6				38.1				38.2				10.8				96		
W1		5.8				38.2				38.3				11.5				92		
X1	5.5	5.4	101.8	98.2	37.6	38.2	98.4	98.9	38.5	39.2	98.2	100.0	9.5	9.5	100.0	86.4	96	97	99.0	99.0
Y1		5.1				37.5				38.6				11.3				99		
Z1		4.8				37.6				38.8				11.2				105		
B2	5.6	5.5	101.8	100.0	38.7	38.2	101.3	101.8	39.0	38.5	101.3	101.3	11.3	11.0	102.7	102.7	95	96	99.0	97.9
C2	6.6	5.5	120.0	117.8	37.8	37.7	100.3	99.5	38.3	38.6	99.2	99.5	10.8	11.1	97.3	98.2	101	98	103.1	104.1
D2		6.2				37.9				38.1				10.3				103		
E2		5.6				38.3				38.4				10.3				97		
F2	5.9	5.5	107.3	105.4	38.8	38.5	100.8	102.1	39.6	39.5	100.2	102.8	11.3	10.2	110.8	102.7	100	95	105.3	103.1
S2		5.0				38.3				38.4				11.8				104		
X2	5.6			100.0													96			99.0
A3		5.9				37.4				38.2				11.7				112		
B3	5.3	5.4	98.1	94.6	38.4	38.3	100.3	101.0	38.5	38.4	100.3	100.0	10.8	11.0	98.2	98.2	95	96	99.0	97.9
C3		5.3				37.9				39.0				12.6				98		
F3		5.8				37.9				38.7				10.8				96		
G3	5.4	5.6	96.4	96.4	38.1	38.2	99.7	100.3	39.1	39.1	100.0	101.6	11.2	11.5	97.4	101.8	94	95	98.9	96.9
H3	5.6	5.4	103.7	100.0	38.1	38.1	100.0	100.3	38.2	38.2	100.0	99.2	11.1	11.4	97.4	100.9	97	98	99.0	100.0
L3	5.5	5.5	100.0	98.2	37.3	37.7	98.9	98.2	38.2	38.6	99.0	99.2	10.7	11.1	96.4	97.3	95	97	97.9	97.9
S3		5.6				37.9				38.7				10.7				99		
Y3	5.2	5.1	102.0	92.8	37.2	37.8	98.4	97.9	38.2	38.9	98.2	99.2	10.8	10.8	100.0	98.2	95	97	97.9	97.9
D4		5.1				37.2				38.3				11.6				103		
H4	6.3	6.0	105.0	112.5	37.8	37.6	100.5	99.5	38.4	38.3	100.3	99.7	10.6	10.5	101.0	96.4	101	101	100.0	104.1
U4	6.0	6.0	100.0	107.1	38.0	38.0	100.0	100.0	38.1	38.1	100.0	99.0	11.4	11.2	101.8	103.6	97	94	103.2	100.0
Q4	5.4	5.7	94.7	96.4	37.6	37.8	99.5	98.9	38.6	38.7	99.7	100.2	10.5	10.7	98.1	95.4	97	96	101.0	100.0
R4		5.6				37.8				38.7				11.2				100		
S4	6.8	6.3	107.9	121.4	38.1	38.0	100.3	100.3	38.3	38.2	100.3	99.5	10.8	11.0	98.2	98.2	93	93	100.0	95.9
FKBG DATA																				
CUR. AV.	5.7				37.9				38.5				10.8				96			
CUM. AV.	5.6				38.0				38.5				11.0				97			
IND. *D	101.8				99.7				100.0				98.2				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	6.0	5.8	103.4	107.1	38.2	38.3	99.7	100.5	38.3	38.4	99.7	99.5					94	93	101.1	96.9
F1	6.0	5.6	107.1	107.1	38.2	37.8	101.0	100.5	38.3	37.9	101.0	99.5	11.0	10.6	103.8	100.0	101	98	103.1	104.1
J1	5.2	5.7	91.2	92.8	37.3	37.5	99.5	98.2	38.3	38.4	99.7	99.5	10.4	10.7	97.2	94.5	95	98	96.9	97.9
M1		6.1				37.6				38.3				10.0				96		
T1		5.6				38.1				38.2				10.8				96		
H1	6.1	5.8	105.2	108.9	38.5	38.2	100.8	101.3	38.6	38.3	100.8	100.2	11.6	11.6	100.0	105.4	97	92	105.4	100.0
X1	5.4	5.4	100.0	96.4	37.9	38.2	99.2	99.7	38.9	39.2	99.2	101.0	9.5	9.5	100.0	86.4	104	96	108.3	107.2
Y1	4.7	5.1	92.2	83.9	38.0	37.5	101.3	100.0	39.3	38.6	101.8	102.1	11.3	11.3	100.0	102.7	98	99	99.0	101.0
Z1		4.8				37.6				38.8				11.2				105		
B2		5.5				38.3				38.6				11.0				96		
C2	5.8	5.6	103.6	103.6	37.7	37.7	100.0	99.2	38.5	38.6	99.7	100.0	10.9	11.1	98.2	99.1	101	98	103.1	104.1
D2		6.2				38.2				38.2				10.4				104		
E2	5.9	5.7	103.5	105.4	38.6	38.4	100.5	101.6	38.7	38.4	100.8	100.5	11.6	10.4	111.5	105.4	93	97	95.9	95.9
F2	5.8	5.7	101.8	103.6	38.5	38.6	99.7	101.3	39.3	39.6	99.2	102.1	11.7	10.8	108.3	106.4	93	98	94.9	95.9
S2		5.0				38.3				38.4				11.8				104		
X2		5.6																96		
A3		5.9				37.4				38.2				11.7				112		
B3		5.4				38.3				38.4				11.0				95		
C3		5.3				37.9				39.0				12.6				98		
F3		5.8				37.9				38.7				10.8				96		
G3		5.6				38.2				39.1				11.4				95		
H3	5.3	5.4	98.1	94.6	38.1	38.1	100.0	100.3	38.2	38.2	100.0	99.2	11.1	11.4	97.4	100.9	100	98	102.0	103.1
L3	5.4	5.4	100.0	96.4	37.5	37.6	99.7	98.7	38.5	38.5	100.0	100.0	10.7	11.1	96.4	97.3	95	96	99.0	97.9
S3		5.6				37.8				38.6				10.8				99		
Y3	5.0	5.2	96.2	89.3	37.3	37.7	98.9	98.2	38.4	38.8	99.0	99.7	10.8	10.8	100.0	98.2	98	97	101.0	101.0
D4		5.3				37.2				38.2				11.4				106		
H4	6.1	6.1	100.0	108.9	37.5	37.6	99.7	98.7	38.2	38.3	99.7	99.2	10.5	10.5	100.0	95.4	95	100	95.0	97.9
O4	6.0	6.0	100.0	107.1	38.0	38.0	100.0	100.0	38.1	38.1	100.0	99.0	11.3	11.2	100.9	102.7	95	94	101.1	97.9
Q4	5.2	5.7	91.2	92.8	37.7	37.8	99.7	99.2	38.8	38.7	100.2	100.8	10.5	10.7	98.1	95.4	89	96	92.7	91.8
R4		5.6				37.8				38.7				11.1				100		
S4	6.3	6.4	98.4	112.5	38.0	38.0	100.0	100.0	38.2	38.2	100.0	99.2	11.0	11.0	100.0	100.0	96	93	103.2	99.0
FKBG DATA																				
CUR. AV.	5.6				37.9				38.5				10.9				96			
CUM. AV.	5.6				38.0				38.5				11.0				97			
IND. *D	100.0				99.7				100.0				99.1				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1964				NOVEMBER, 1964				DECEMBER, 1964			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	70.0	65.9	106.2	109.5	70.0	66.2	105.7	109.0	65.0	67.0	97.0	100.9
F1	55.3	58.6	94.4	86.5	53.2	58.3	91.2	82.9	57.0	57.8	98.6	88.5
J1	76.1	70.5	107.9	119.1	62.9	71.9	87.5	98.0	73.1	70.1	104.3	113.5
M1		61.0				61.0				61.0		
T1		60.0				57.0				57.0		
W1	89.0	66.2	134.4	139.3		68.2			76.0	68.6	110.8	118.0
X1	67.0	64.9	103.2	104.8	68.0	65.1	104.4	105.9	79.0	65.5	120.6	122.7
Y1		66.0				66.0			71.0	66.0	107.6	110.2
Z1		63.7				62.0				62.0		
B2		69.5			60.0	69.5	86.3	93.4		68.3		
C2		64.5				64.4				64.0		
D2		78.0				78.0				79.5		
E2	62.0	65.8	94.2	97.0		65.0			62.0	64.4	96.3	96.3
F2												
S2		51.3				51.3				51.1		
X2					75.0			116.8		75.0		
A3												
B3		60.0			68.0	61.0	111.5	105.9		64.5		
C3		64.0				64.0				64.0		
F3		57.7				57.7				57.7		
G3	67.0			104.8	75.0	67.0	111.9	116.8		71.0		
H3	68.0	67.2	101.2	106.4	72.0	67.4	106.8	112.1	65.0	67.8	95.9	100.9
L3												
S3		61.3				61.0				62.0		
Y3	64.1	65.2	98.3	100.3	64.4	65.0	99.1	100.3	64.7	64.9	99.7	100.5
D4												
H4		68.3				70.0				69.0		
O4	51.0	54.7	93.2	79.8	53.0	54.0	98.1	82.6	51.0	53.8	94.8	79.2
Q4		68.9			74.0	68.9	107.4	115.3	77.5	69.6	111.4	120.3
R4		73.0				73.4				74.5		
S4												
FKBG DATA												
CUR. AV.	67.0				66.3				67.4			
CUM. AV.	63.9				64.2				64.4			
IND. *D	104.8				103.3				104.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.8	100.0	100.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					101	102	99.0	95.3
E1		5.8				40.7				41.6				12.2				103		
F1	5.9	5.7	103.5	101.7	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.6	11.6	100.0	97.5	104	106	98.1	98.1
H1	5.4	5.2	103.8	93.1	41.2	41.2	100.0	98.8	41.6	41.6	100.0	98.1	12.6	12.7	99.2	105.9	102	101	101.0	96.2
M1	6.1	6.2	98.4	105.2	41.5	41.4	100.2	99.5	42.2	42.1	100.2	99.5	10.7	11.2	95.5	89.9	108	106	101.9	101.9
T1	5.1	5.5	92.7	87.9	42.6	42.2	100.9	102.2	42.7	42.3	100.9	100.7	12.1	11.8	102.5	101.7	105	106	99.0	99.0
U1	5.8	6.1	95.1	100.0	42.1	41.6	101.2	101.0	43.0	42.4	101.4	101.4	13.0	12.3	105.7	109.2	101	100	101.0	95.3
W1	5.9	5.8	101.7	101.7	42.3	42.0	100.7	101.4	42.4	42.2	100.5	100.0	12.6	12.3	102.4	105.9	105	101	104.0	99.0
X1	5.7	5.6	101.8	98.3	41.7	41.7	100.0	100.0	42.7	42.7	100.0	100.7	10.8	10.3	104.8	90.8	106	108	98.1	100.0
Y1	5.6	5.6	100.0	96.6	41.7	41.5	100.5	100.0	42.7	42.6	100.2	100.7	12.8	13.0	98.5	107.6	104	106	98.1	98.1
Z1	5.1	4.9	104.1	87.9	41.2	41.4	99.5	98.8	42.4	42.6	99.5	100.0	12.4	12.5	99.2	104.2	106	106	100.0	100.0
B2	5.7	5.7	100.0	98.3	42.1	42.1	100.0	101.0	42.5	42.5	100.0	100.2	12.3	12.1	101.6	103.4	102	104	98.1	96.2
C2	5.9	5.6	105.4	101.7	42.1	41.6	101.2	101.0	43.0	42.6	100.9	101.4	12.4	12.4	100.0	104.2	107	104	102.9	100.9
D2	6.4	6.4	100.0	110.3	41.9	42.2	99.3	100.5	42.5	42.4	100.2	100.2	12.0	12.2	98.4	100.8	110	106	103.8	103.8
E2	5.8	5.6	103.6	100.0	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.5	11.9	11.5	103.5	100.0	104	106	98.1	98.1
F2	6.0	5.8	103.4	103.4	41.6	41.8	99.5	99.8	42.4	42.7	99.3	100.0	12.6	11.9	105.9	105.9	100	100	100.0	94.3
G2	5.0	5.2	96.2	86.2	40.9	41.1	99.5	98.1	42.1	42.2	99.8	99.3	11.7	11.7	100.0	98.3	114	119	95.8	107.5
S2	5.6	4.8	116.7	96.6	42.9	42.4	101.2	102.9	43.0	42.6	100.9	101.4	13.0	12.7	102.4	109.2	114	110	103.6	107.5
X2	5.8	5.8	100.0	100.0	41.9	41.8	100.2	100.5	42.8	42.7	100.2	100.9	10.8	10.3	104.8	90.8	103	106	97.2	97.2
A3	6.5	6.2	104.8	112.1	41.4	41.1	100.7	99.3	42.0	41.8	100.5	99.0	12.5	12.7	98.4	105.0	112	114	98.2	105.7
B3		5.2				42.3				42.4				12.2				104		
C3	5.4	5.3	101.9	93.1	41.2	41.3	99.8	98.8	42.3	42.4	99.8	99.8	13.5	13.8	97.8	113.4	104	104	100.0	98.1
F3	6.2	5.9	105.1	106.9	41.6	41.9	99.3	99.8	42.3	42.8	98.8	99.8	11.7	12.0	97.5	98.3	107	104	102.9	100.9
G3	5.5	5.6	98.2	94.8	41.7	41.8	99.8	100.0	42.7	42.7	100.0	100.7	12.2	12.7	96.1	102.5	104	104	100.0	98.1
H3	5.6	5.5	101.8	96.6	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	12.9	12.7	101.6	108.4	105	106	99.0	99.0
I3	6.0	6.0	100.0	103.4	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.4	11.5	99.1	95.8	106	104	101.9	100.0
L3	5.5	5.7	96.5	94.8	41.3	41.6	99.3	99.0	42.3	42.5	99.5	99.8	12.1	12.2	99.2	101.7	105	104	101.0	99.0
P3	6.8	6.3	107.9	117.2	42.4	42.0	101.0	101.7	42.5	42.2	100.7	100.2	11.7	12.2	95.9	98.3	103	105	98.1	97.2
Q3	6.3	6.1	103.3	108.6	41.6	41.6	100.0	99.8	42.3	42.3	100.0	99.8	11.2	11.5	97.4	94.1	104	101	103.0	98.1
S3	5.7	5.7	100.0	98.3	41.4	41.4	100.0	99.3	42.4	42.3	100.2	100.0	11.5	11.7	98.3	96.6	108	108	100.0	101.9
Y3	5.4	5.3	101.9	93.1	41.7	41.8	99.8	100.0	42.8	43.0	99.5	100.9	12.0	12.3	97.6	100.8	104	104	100.0	98.1
A4		5.9				42.4				42.5				11.0				119		
B4	6.1	6.3	96.8	105.2	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	10.8	11.2	96.4	90.8	105	106	99.0	99.0
E4	6.3	5.9	106.8	108.6	42.0	42.1	99.8	100.7	42.2	42.3	99.8	99.5	10.7	11.0	97.3	89.9	108	107	100.9	101.9
H4	6.3	6.1	103.3	108.6	41.5	41.5	100.0	99.5	42.2	42.3	99.8	99.5	11.9	12.0	99.2	100.0	108	108	100.0	101.9
J4	6.3	6.0	105.0	108.6	41.6	41.5	100.2	99.8	42.3	42.2	100.2	99.8	11.7	12.0	97.5	98.3	100	100	100.0	94.3
M4	4.7	4.9	95.9	81.0	41.4	41.7	99.3	99.3	42.8	43.0	99.5	100.9	11.2	11.0	101.8	94.1	106	108	98.1	100.0
N4	5.8	5.9	98.3	100.0	42.3	42.2	100.2	101.4	42.4	42.6	99.5	100.0	12.4	12.1	102.5	104.2	119	122	97.5	112.3
O4		6.0				42.0				42.1				11.8				104		
Q4	5.9	6.1	96.7	101.7	41.9	42.0	99.8	100.5	42.8	42.8	100.0	100.9	12.3	11.8	104.2	103.4	110	107	102.8	103.8
R4	5.7	5.6	101.8	98.3	41.4	41.5	99.8	99.3	42.4	42.5	99.8	100.0	11.8	12.0	98.3	99.2	108	108	100.0	101.9
S4	6.7	6.5	103.1	115.5	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	12.2	12.0	101.7	102.5	106	104	101.9	100.0
U4	6.4	6.3	101.6	110.3	42.0	41.9	100.2	100.7	42.1	42.0	100.2	99.3	11.7	12.0	97.5	98.3	108	107	100.9	101.9
FKBG DATA																				
CUR. AV.	5.8				41.8				42.4				12.0				106			
CUM. AV.	5.6				41.7				42.4				11.9				106			
IND. *D	100.0				100.2				100.0				100.8				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.8	100.0	100.0	42.0	42.0	100.0	100.5	42.1	42.1	100.0	99.3					102	102	100.0	96.2
E1		5.8				40.6				41.5				12.2				103		
F1	6.0	5.7	105.3	103.4	42.0	42.1	99.8	100.5	42.1	42.2	99.8	99.3	11.4	11.6	98.3	95.8	104	106	98.1	98.1
H1	5.3	5.2	101.9	91.4	41.2	41.2	100.0	98.6	41.6	41.6	100.0	98.1	12.5	12.7	98.4	105.0	104	101	103.0	98.1
M1	6.2	6.2	100.0	106.9	41.5	41.4	100.2	99.3	42.2	42.1	100.2	99.5	10.6	11.1	95.5	89.1	106	107	99.1	100.0
T1	5.3	5.5	96.4	91.4	42.0	42.2	99.5	100.5	42.1	42.2	99.8	99.3	11.8	11.8	100.0	99.2	106	106	100.0	100.0
U1	5.8	6.1	95.1	100.0	41.1	41.7	98.6	98.3	42.0	42.4	99.0	99.0	12.9	12.3	104.9	108.4	101	100	101.0	95.3
W1	5.9	5.8	101.7	101.7	42.4	42.1	100.7	101.4	42.5	42.2	100.7	100.2	12.5	12.4	100.8	105.0	103	101	102.0	97.2
X1	6.0	5.6	107.1	103.4	41.6	41.7	99.8	99.5	42.4	42.7	99.3	100.0	10.7	10.4	102.9	89.9	104	107	97.2	98.1
Y1	5.8	5.6	103.6	100.0	41.6	41.6	100.0	99.5	42.5	42.6	99.8	100.2	12.6	12.9	97.7	105.9	104	105	99.0	98.1
Z1	5.4	5.0	108.0	93.1	41.3	41.4	99.8	98.8	42.4	42.6	99.5	100.0	12.5	12.5	100.0	105.0	107	106	100.9	100.9
B2	5.8	5.7	101.8	100.0	42.1	42.1	100.0	100.7	42.5	42.5	100.0	100.2	12.3	12.1	101.6	103.4	102	104	98.1	96.2
C2	6.6	5.7	115.8	113.8	41.9	41.7	100.5	100.2	42.4	42.7	99.3	100.0	11.9	12.3	96.7	100.0	112	105	106.7	105.7
D2	6.4	6.4	100.0	110.3	41.7	42.2	98.8	99.8	42.3	42.4	99.8	99.8	12.1	12.1	100.0	101.7	111	107	103.7	104.7
E2	6.1	5.7	107.0	105.2	42.0	42.2	99.5	100.5	42.1	42.3	99.5	99.3	12.2	11.6	105.2	102.5	106	106	100.0	100.0
F2	6.0	5.8	103.4	103.4	42.2	41.8	101.0	101.0	43.0	42.7	100.7	101.4	12.6	11.9	105.9	105.9	101	100	101.0	95.3
D2	5.2	5.2	100.0	89.6	41.0	41.1	99.8	98.1	42.1	42.2	99.8	99.3	11.6	11.7	99.1	97.5	116	119	97.5	109.4
S2		5.0				42.6				42.7				12.8				112		
X2	5.6	5.8	96.6	96.6	41.7	41.8	99.8	99.8	42.7	42.7	100.0	100.7	10.7	10.3	103.9	89.9	104	105	99.0	98.1
A3	6.7	6.2	108.1	115.5	41.6	41.2	101.0	99.5	42.1	41.8	100.7	99.3	12.4	12.7	97.6	104.2	115	114	100.9	108.5
B3		5.2				42.3				42.4				12.2				104		
C3	5.5	5.3	103.8	94.8	41.3	41.3	100.0	98.8	42.3	42.4	99.8	99.8	13.5	13.8	97.8	113.4	116	104	111.5	109.4
F3	5.9	5.9	100.0	101.7	41.7	41.8	99.8	99.8	42.6	42.7	99.8	100.5	11.8	12.0	98.3	99.2	107	104	102.9	100.9
G3	5.4	5.6	96.4	93.1	41.6	41.8	99.5	99.5	42.7	42.8	99.8	100.7	11.9	12.6	94.4	100.0	101	104	97.1	95.3
H3	5.4	5.6	96.4	93.1	42.0	42.1	99.8	100.5	42.1	42.2	99.8	99.3	12.7	12.7	100.0	106.7	105	106	99.0	99.0
I3	6.0	6.0	100.0	103.4	42.1	42.1	100.0	100.7	42.2	42.2	100.0	99.5	11.1	11.5	96.5	93.3	104	104	100.0	98.1
L3	5.3	5.7	93.0	91.4	41.2	41.5	99.3	98.6	42.3	42.5	99.5	99.8	12.0	12.2	98.4	100.8	104	104	100.0	98.1
P3	6.1	6.5	93.8	105.2	42.0	42.2	99.5	100.5	42.1	42.2	99.8	99.3	12.7	12.0	105.8	106.7	105	104	101.0	99.0
Q3	6.2	6.1	101.6	106.9	41.5	41.6	99.8	99.3	42.2	42.3	99.8	99.5	11.1	11.5	96.5	93.3	104	101	103.0	98.1
S3	5.9	5.7	103.5	101.7	41.4	41.4	100.0	99.0	42.3	42.3	100.0	99.8	11.4	11.6	98.3	95.8	104	107	97.2	98.1
Y3	5.3	5.3	100.0	91.4	41.3	41.8	98.8	98.8	42.4	42.9	98.8	100.0	12.0	12.3	97.6	100.8	104	104	100.0	98.1
A4		5.9				42.4				42.5				11.0				119		
B4	6.2	6.3	98.4	106.9	42.0	42.0	100.0	100.5	42.1	42.1	100.0	99.3	11.0	11.1	99.1	92.4	108	106	101.9	101.9
E4	5.6	5.9	94.9	96.6	42.0	42.0	100.0	100.5	42.2	42.2	100.0	99.5	11.7	11.0	106.4	98.3	109	107	101.9	102.8
H4	6.2	6.1	101.6	106.9	41.5	41.5	100.0	99.3	42.2	42.3	99.8	99.5	12.0	12.0	100.0	100.8	107	108	99.1	100.9
J4	5.9	6.1	96.7	101.7	41.4	41.5	99.8	99.0	42.3	42.2	100.2	99.8	11.8	12.0	98.3	99.2	102	100	102.0	96.2
M4	4.6	4.9	93.9	79.3	41.1	41.6	98.8	98.3	42.5	43.0	98.8	100.2	11.1	11.1	100.0	93.3	108	108	100.0	101.9
N4	5.6	5.9	94.9	96.6	42.2	42.2	100.0	101.0	42.3	42.5	99.5	99.8	11.8	12.2	96.7	99.2	122	122	100.0	115.1
O4	6.0	6.0	100.0	103.4	41.9	42.0	99.8	100.2	42.0	42.1	99.8	99.0	11.7	11.9	98.3	98.3	108	104	103.8	101.9
Q4	5.8	6.0	96.7	100.0	41.9	42.0	99.8	100.2	42.8	42.8	100.0	100.9	12.0	11.9	100.8	100.8	104	107	97.2	98.1
R4	5.7	5.6	101.8	98.3	41.6	41.4	100.5	99.5	42.6	42.4	100.5	100.5	11.6	12.0	96.7	97.5	109	108	100.9	102.8
S4	6.5	6.5	100.0	112.1	42.0	42.0	100.0	100.5	42.2	42.2	100.0	99.5	12.5	12.0	104.2	105.0	106	104	101.9	100.0
U4	6.4	6.3	101.6	110.3	42.0	41.9	100.2	100.5	42.1	42.0	100.2	99.3	11.6	12.0	96.7	97.5	110	107	102.8	103.8
FKBG DATA																				
CUR. AV.	5.8				41.7				42.3				11.9				106			
CUM. AV.	5.8				41.8				42.4				11.9				106			
IND. *D	100.0				99.8				99.8				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.8	100.0	100.0	42.0	42.0	100.0	100.5	42.1	42.1	100.0	99.3					103	102	101.0	97.2
E1	6.0	5.9	101.7	103.4	41.2	40.6	101.5	98.6	42.0	41.5	101.2	99.0	13.1	12.2	107.4	110.1	106	103	102.9	100.0
F1	6.0	5.8	103.4	103.4	42.0	42.1	99.8	100.5	42.1	42.2	99.8	99.3	11.9	11.6	102.6	100.0	106	106	100.0	100.0
H1	5.3	5.2	101.9	91.4	41.3	41.2	100.2	98.8	41.7	41.6	100.2	98.3	12.6	12.6	100.0	105.9	102	102	100.0	96.2
M1	5.9	6.2	95.2	101.7	41.4	41.4	100.0	99.0	42.3	42.2	100.2	99.8	10.8	11.1	97.3	90.8	107	107	100.0	100.9
T1	5.1	5.4	94.4	87.9	42.2	42.1	100.2	101.0	42.3	42.2	100.2	99.8	11.9	11.8	100.8	100.0	106	106	100.0	100.0
U1	5.9	6.0	98.3	101.7	41.2	41.6	99.0	98.6	42.1	42.4	99.3	99.3	12.7	12.3	103.2	106.7	100	100	100.0	94.3
W1	6.0	5.8	103.4	103.4	42.5	42.2	100.7	101.7	42.6	42.3	100.7	100.5	12.6	12.4	101.6	105.9	103	101	102.0	97.2
X1	5.9	5.7	103.5	101.7	41.9	41.8	100.2	100.2	42.8	42.7	100.2	100.9	10.7	10.4	102.9	89.9	104	107	97.2	98.1
Y1	5.7	5.6	101.8	98.3	41.7	41.6	100.2	99.8	42.7	42.6	100.2	100.7	12.8	12.9	99.2	107.6	104	106	98.1	98.1
Z1	5.2	5.0	104.0	89.6	41.4	41.4	100.0	99.0	42.6	42.6	100.0	100.5	12.5	12.5	100.0	105.0	104	106	98.1	98.1
B2	5.8	5.7	101.8	100.0	42.1	42.1	100.0	100.7	42.5	42.5	100.0	100.2	12.5	12.2	102.4	105.0	105	104	101.0	99.0
C2	5.7	5.8	98.3	98.3	41.5	41.7	99.5	99.3	42.5	42.6	99.8	100.2	12.3	12.3	100.0	103.4	109	105	103.8	102.8
D2		6.4				42.2				42.4				12.2				107		
E2	5.9	5.7	103.5	101.7	42.1	42.2	99.8	100.7	42.2	42.2	100.0	99.5	12.2	11.7	104.3	102.5	103	106	97.2	97.2
F2	6.0	5.9	101.7	103.4	42.2	41.8	101.0	101.0	43.0	42.7	100.7	101.4	12.5	12.0	104.2	105.0	100	100	100.0	94.3
O2	5.4	5.2	103.8	93.1	41.2	41.1	100.2	98.6	42.3	42.2	100.2	99.8	11.7	11.7	100.0	98.3	110	119	92.4	103.8
S2	6.2	5.0	124.0	106.9	42.9	42.6	100.7	102.6	43.0	42.7	100.7	101.4	13.0	12.8	101.6	109.2	107	112	95.5	100.9
X2	5.4	5.8	93.1	93.1	42.0	41.8	100.5	100.5	43.1	42.8	100.7	101.6	10.8	10.4	103.8	90.8	104	105	99.0	98.1
A3	6.3	6.2	101.6	108.6	41.4	41.2	100.5	99.0	42.1	41.8	100.7	99.3	12.9	12.7	101.6	108.4	109	114	95.6	102.8
B3		5.3				42.0				42.1				12.4				103		
C3	5.3	5.4	98.1	91.4	41.2	41.3	99.8	98.6	42.3	42.4	99.8	99.8	13.3	13.8	96.4	111.8	103	105	98.1	97.2
F3	6.1	5.9	103.4	105.2	41.8	41.8	100.0	100.0	42.6	42.7	99.8	100.5	11.8	12.0	98.3	99.2	100	105	95.2	94.3
G3	5.5	5.6	98.2	94.8	41.8	41.7	100.2	100.0	42.8	42.7	100.2	100.9	12.3	12.6	97.6	103.4	102	104	98.1	96.2
H3	5.2	5.6	92.8	89.6	42.3	42.1	100.5	101.2	42.4	42.2	100.5	100.0	12.3	12.7	96.8	103.4	107	106	100.9	100.9
I3	5.9	6.0	98.3	101.7	42.0	42.1	99.8	100.5	42.1	42.2	99.8	99.3	11.1	11.4	97.4	93.3	102	104	98.1	96.2
L3	5.3	5.7	93.0	91.4	41.4	41.5	99.8	99.0	42.5	42.4	100.2	100.2	12.0	12.2	98.4	100.8	102	103	99.0	96.2
P3		6.4				42.2				42.2				12.1				104		
Q3	5.8	6.1	95.1	100.0	41.3	41.6	99.3	98.8	42.2	42.3	99.8	99.5	10.9	11.4	95.6	91.6	103	102	101.0	97.2
S3	5.9	5.7	103.5	101.7	41.3	41.4	99.8	98.8	42.2	42.3	99.8	99.5	11.0	11.6	94.8	92.4	108	107	100.9	101.9
Y3	5.4	5.3	101.9	93.1	41.3	41.8	98.8	98.8	42.4	42.9	98.8	100.0	12.1	12.2	99.2	101.7	104	104	100.0	98.1
A4		5.9				42.4				42.5				11.0				119		
B4	6.2	6.3	98.4	106.9	42.0	42.0	100.0	100.5	42.1	42.1	100.0	99.3	11.3	11.1	101.8	95.0	105	106	99.0	99.0
E4	5.7	5.8	98.3	98.3	42.1	42.0	100.2	100.7	42.3	42.2	100.2	99.8	11.2	11.1	100.9	94.1	110	108	101.8	103.8
H4	5.9	6.1	96.7	101.7	43.3	41.5	104.3	103.6	44.2	42.3	104.5	104.2	12.8	12.0	106.7	107.6	101	108	93.5	95.3
J4	6.0	6.0	100.0	103.4	41.5	41.5	100.0	99.3	42.3	42.2	100.2	99.8	12.1	11.9	101.7	101.7	100	100	100.0	94.3
M4	4.7	4.9	95.9	81.0	41.2	41.6	99.0	98.6	42.6	42.9	99.3	100.5	11.0	11.1	99.1	92.4	113	108	104.6	106.6
N4	5.9	5.9	100.0	101.7	42.2	42.2	100.0	101.0	42.3	42.4	99.8	99.8	11.9	12.2	97.5	100.0	123	122	100.8	116.0
O4	6.1	6.0	101.7	105.2	42.0	42.0	100.0	100.5	42.1	42.1	100.0	99.3	12.5	11.9	105.0	105.0	103	104	99.0	97.2
Q4	6.0	6.0	100.0	103.4	42.1	41.9	100.5	100.7	42.9	42.8	100.2	101.2	11.6	11.8	98.3	97.5	102	106	96.2	96.2
R4	6.3	5.6	112.5	108.6	41.9	41.5	101.0	100.2	42.6	42.5	100.2	100.5	12.0	12.0	100.0	100.8	105	108	97.2	99.0
S4	6.5	6.5	100.0	112.1	42.0	42.0	100.0	100.5	42.2	42.2	100.0	99.5	12.1	12.1	100.0	101.7	105	104	101.0	99.0
U4	6.2	6.3	98.4	106.9	42.2	41.9	100.7	101.0	42.3	42.0	100.7	99.8	11.8	11.9	99.2	99.2	106	108	98.1	100.0
FKBG DATA																				
CUR. AV.	5.8				41.8				42.4				12.0				105			
CUM. AV.	5.8				41.8				42.4				11.9				106			
IND. *D	100.0				100.0				100.0				100.8				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1984				NOVEMBER, 1984				DECEMBER, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	76.0	73.3	103.7	106.4	76.0	74.4	102.2	106.3	74.0	75.0	98.7	103.2
E1		60.4				60.6			64.0	60.3	106.1	89.3
F1	59.9	65.6	91.3	83.9	56.1	64.8	86.6	78.5	57.7	63.8	90.4	80.5
H1	67.0	73.3	91.4	93.8	67.0	72.8	92.0	93.7	68.0	72.2	94.2	94.8
M1	68.0	72.2	94.2	95.2	64.0	72.0	88.9	89.5	60.0	71.4	84.0	83.7
T1	71.0	67.8	104.7	99.4	71.0	68.2	104.1	99.3	69.0	68.6	100.6	96.2
U1												
W1	86.0	75.8	113.4	120.4	86.0	76.6	112.3	120.3	84.0	77.5	108.4	117.2
X1	77.0	70.3	109.5	107.8	78.0	70.9	110.0	109.1	80.0	72.1	111.0	111.6
Y1	76.0	71.4	106.4	106.4	78.0	72.2	108.0	109.1	77.0	72.9	105.6	107.4
Z1	70.0	69.5	100.7	98.0	71.0	69.5	102.2	99.3	69.0	69.4	99.4	96.2
B2	76.0	72.8	104.4	106.4	74.0	73.6	100.5	103.5	71.0	74.4	95.4	99.0
C2		68.8				69.6				68.8		
D2	75.0	81.8	91.7	105.0	77.0	81.5	94.5	107.7		81.1		
E2	73.9	72.8	101.5	103.5	72.2	72.6	99.4	101.0	71.5	72.6	98.5	99.7
F2												
O2	59.0	66.1	89.2	82.6	65.0	65.4	99.4	90.9	63.0	65.5	96.2	87.9
S2	61.0	59.5	102.5	85.4		60.0			61.0	60.0	101.7	85.1
X2	80.0	69.9	114.4	112.0	78.0	71.1	109.7	109.1	85.0	71.9	118.2	118.5
A3		74.6				76.2						
B3		74.5				74.5				75.0		
C3	70.0	69.8	100.3	98.0	70.0	69.8	100.3	97.9	72.0	69.6	103.4	100.4
F3	61.0	68.2	89.4	85.4	69.0	67.6	102.1	96.5	70.0	67.2	104.2	97.6
G3	73.0			102.2	80.0	73.0	109.6	111.9	79.1	76.5	103.4	110.3
H3	75.0	74.9	100.1	105.0	78.0	75.4	103.4	109.1	75.0	75.5	99.3	104.6
I3	67.0	66.6	100.6	93.8	63.0	66.5	94.7	88.1	64.0	66.2	96.7	89.3
L3												
P3												
Q3												
S3	72.0	67.1	107.3	100.8	72.0	67.7	106.4	100.7	75.0	68.5	109.5	104.6
Y3	74.2	73.6	100.8	103.9	74.4	73.5	101.2	104.0	74.2	73.4	101.1	103.5
A4												
B4												
E4												
H4		73.7				73.7				73.8		
J4												
M4	72.7	69.4	104.8	101.8	69.7	69.6	100.1	97.5	73.1	69.4	105.3	102.0
N4	62.0	70.2	88.3	86.8	74.0	69.8	106.0	103.5	63.0	70.8	89.0	87.9
O4		65.8			66.0	65.8	100.3	92.3	65.0	66.7	97.4	90.6
Q4		86.5			84.0	86.5	97.1	117.5	81.3	87.6	92.8	113.4
R4	88.5	84.6	104.6	123.9	80.5	84.4	95.4	112.6	81.4	85.0	95.8	113.5
S4												
U4												
FKBG DATA												
CUR. AV.	71.6				72.8				71.4			
CUM. AV.	71.4				71.5				71.7			
IND. *D	100.3				101.8				99.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.8	100.0	92.1	69.0	69.1	99.8	100.4	69.2	69.3	99.8	99.7					138	140	98.6	97.2
E1		5.8				67.4				68.9				21.1				150		
F1	6.1	6.0	101.7	96.8	69.1	69.1	100.0	100.6	69.3	69.3	100.0	99.8	19.4	18.9	102.6	100.0	142	145	97.9	100.0
H1	6.3	6.0	105.0	100.0	67.6	67.5	100.1	98.4	68.2	68.1	100.1	98.3	20.2	20.5	98.5	104.1	150	149	100.7	105.6
M1	6.1	6.2	98.4	96.8	68.1	68.2	99.8	99.1	69.3	69.4	99.8	99.8	18.0	18.7	96.2	92.8	143	138	103.6	100.7
T1		5.8				69.2				69.4				19.2				139		
U1	7.0	7.0	100.0	111.1	69.5	68.8	101.0	101.2	70.1	69.5	100.9	101.0	19.8	19.0	104.2	102.1	143	138	103.6	100.7
V1	6.5	6.5	100.0	103.2	70.2	69.3	101.3	102.2	71.2	70.2	101.4	102.6	20.1	19.5	103.1	103.6	141	138	102.2	99.3
W1	5.8	5.8	100.0	92.1	69.5	69.0	100.7	101.2	69.7	69.2	100.7	100.4	20.6	20.0	103.0	106.2	144	141	102.1	101.4
Z1	6.2	5.6	110.7	98.4	68.4	68.1	100.4	99.6	69.6	69.8	99.7	100.3	19.8	20.1	98.5	102.1	146	146	100.0	102.8
B2	5.8	5.8	100.0	92.1	69.2	69.1	100.1	100.7	69.8	69.7	100.1	100.6	21.0	20.0	105.0	108.2	140	140	100.0	98.6
C2	6.2	6.2	100.0	98.4	69.1	68.4	101.0	100.6	70.3	69.6	101.0	101.3	19.6	20.2	97.0	101.0	143	139	102.9	100.7
D2	6.8	7.0	97.1	107.9	68.7	69.0	99.6	100.0	69.5	69.4	100.1	100.1	20.7	18.7	110.7	106.7	142	142	100.0	100.0
E2	6.6	6.5	101.5	104.8	69.0	69.1	99.8	100.4	69.2	69.3	99.8	99.7	17.7	18.1	97.8	91.2	146	142	102.8	102.8
D2	5.4	5.4	100.0	85.7	67.5	67.5	100.0	98.2	69.3	69.3	100.0	99.8	17.5	19.7	88.8	90.2	149	156	95.5	104.9
S2	6.4	6.2	103.2	101.6	69.4	69.4	100.0	101.0	69.6	69.6	100.0	100.3	21.5	20.9	102.9	110.8	150	150	100.0	105.6
X2	5.9	6.0	98.3	93.6	67.9	68.2	99.6	98.8	69.3	69.6	99.6	99.8	17.6	17.0	103.5	90.7	140	140	100.0	98.6
A3	6.8	6.4	106.2	107.9	67.9	68.0	99.8	98.8	68.6	69.1	99.3	98.8	21.7	21.1	102.8	111.8	152	149	102.0	107.0
F3	6.4	6.2	103.2	101.6	68.3	68.4	99.8	99.4	69.3	69.6	99.6	99.8	20.4	20.3	100.5	105.2	136	136	100.0	95.8
H3	5.9	5.8	101.7	93.6	69.1	69.2	99.8	100.6	69.3	69.4	99.8	99.8	20.8	20.7	100.5	107.2	137	140	97.8	96.5
I3		7.0				69.1				69.3				19.6				138		
L3	6.9	6.9	100.0	109.5	68.7	68.7	100.0	100.0	69.4	69.4	100.0	100.0	19.6	19.5	100.5	101.0	139	137	101.4	97.9
Q3	6.8	6.6	103.0	107.9	68.8	68.5	100.4	100.1	69.6	69.4	100.3	100.3	18.5	19.1	96.8	95.4	136	135	100.7	95.8
S3	6.3	6.2	101.6	100.0	68.2	68.3	99.8	99.3	69.3	69.4	99.8	99.8	19.8	19.5	101.5	102.1	146	143	102.1	102.8
A4	6.6	6.6	100.0	104.8	69.1	69.3	99.7	100.6	69.3	69.6	99.6	99.8	19.3	19.0	101.6	99.5	146	144	101.4	102.8
B4	6.3	6.4	98.4	100.0	69.0	69.1	99.8	100.4	69.2	69.3	99.8	99.7	19.2	18.9	101.6	99.0	133	141	94.3	93.7
E4	6.5	6.5	100.0	103.2	69.0	69.0	100.0	100.4	69.3	69.3	100.0	99.8	18.1	18.5	97.8	93.3	140	140	100.0	98.6
J4		5.9				68.0				69.4				19.8				137		
L4	6.8	6.6	103.0	107.9	69.0	68.9	100.1	100.4	69.6	69.5	100.1	100.3	19.1	19.5	97.9	98.4	142	141	100.7	100.0
M4	6.7	6.7	100.0	106.3	68.5	68.5	100.0	99.7	69.3	69.4	99.8	99.8	17.8	17.8	100.0	91.8	144	148	97.3	101.4
N4	6.5	6.7	97.0	103.2	69.4	69.2	100.3	101.0	69.6	69.5	100.1	100.3	19.6	19.5	100.5	101.0	160	157	101.9	112.7
Q4	6.6	6.5	101.5	104.8	69.0	68.8	100.3	100.4	69.9	69.8	100.1	100.7	20.5	20.0	102.5	105.7	140	138	101.4	98.6
R4	5.9	5.6	105.4	93.6	68.1	68.0	100.1	99.1	69.5	69.6	99.8	100.1	20.8	20.3	102.5	107.2	137	142	96.5	96.5
U4	6.2	6.7	92.5	98.4	69.0	69.4	99.4	100.4	69.2	69.6	99.4	99.7	19.5	20.1	97.0	100.5	142	141	100.7	100.0
FKBG DATA																				
CUR. AV.	6.3				68.8				69.5				19.6				143			
CUM. AV.	6.3				68.7				69.4				19.4				142			
IND. *D	100.0				100.1				100.1				101.0				100.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.8	5.8	100.0	92.1	68.8	69.1	99.6	100.1	69.0	69.3	99.6	99.4					151	140	107.8	106.3
E1		5.8				67.4				68.9				21.1				150		
F1	6.4	6.0	106.7	101.6	69.1	69.1	100.0	100.6	69.3	69.3	100.0	99.8	19.5	19.0	102.6	100.5	145	145	100.0	102.1
H1	6.0	6.0	100.0	95.2	67.7	67.6	100.1	98.5	68.3	68.2	100.1	98.4	20.2	20.5	96.5	104.1	152	149	102.0	107.0
M1	5.8	6.1	95.1	92.1	68.1	68.1	100.0	99.1	69.6	69.4	100.3	100.3	17.7	18.6	95.2	91.2	144	139	103.6	101.4
T1	5.8	5.8	100.0	92.1	69.2	69.1	100.1	100.7	69.4	69.3	100.1	100.0	20.7	19.2	107.8	106.7	141	139	101.4	99.3
U1	6.8	7.0	97.1	107.9	68.1	68.9	98.8	99.1	68.8	69.6	98.8	99.1	19.6	19.1	102.6	101.0	140	138	101.4	98.6
V1	6.6	6.5	101.5	104.8	68.7	69.4	99.0	100.0	69.6	70.4	98.9	100.3	19.6	19.6	100.0	101.0	143	138	103.6	100.7
W1	5.9	5.8	101.7	93.6	69.4	69.1	100.4	101.0	69.6	69.3	100.4	100.3	20.4	20.1	101.5	105.2	142	141	100.7	100.0
Z1	5.9	5.6	105.4	93.6	68.2	68.1	100.1	99.3	69.6	69.7	99.8	100.3	18.6	20.1	92.5	95.9	147	146	100.7	103.5
B2		5.8				69.1				69.7				20.4				140		
C2	6.8	6.2	109.7	107.9	68.8	68.6	100.3	100.1	69.6	69.7	99.8	100.3	19.1	20.2	94.6	98.4	152	139	109.4	107.0
D2	6.6	7.0	94.3	104.8	69.2	69.1	100.1	100.7	70.1	69.5	100.9	101.0	20.7	19.2	107.8	106.7	138	142	97.2	97.2
E2	6.8	6.5	104.6	107.9	69.0	69.1	99.8	100.4	69.2	69.3	99.8	99.7	18.3	18.1	101.1	94.3	142	143	99.3	100.0
D2	5.4	5.4	100.0	85.7	67.6	67.5	100.1	98.4	69.4	69.3	100.1	100.0	20.4	19.5	104.6	105.2	145	157	92.4	102.1
S2		6.3				69.4				69.6				21.1				150		
X2	5.8	6.0	96.7	92.1	68.0	68.2	99.7	99.0	69.5	69.6	99.8	100.1	17.8	17.0	104.7	91.8	138	140	98.6	97.2
A3	6.7	6.4	104.7	106.3	68.1	68.0	100.1	99.1	68.9	69.0	99.8	99.3	21.5	21.1	101.9	110.8	144	149	96.6	101.4
F3	6.4	6.2	103.2	101.6	68.5	68.4	100.1	99.7	69.5	69.6	99.8	100.1	20.1	20.4	98.5	103.6	137	136	100.7	96.5
H3	5.8	5.8	100.0	92.1	69.1	69.2	99.8	100.6	69.3	69.4	99.8	99.8	20.3	20.8	97.6	104.6	139	140	99.3	97.9
I3	6.9	7.0	98.6	109.5	69.2	69.1	100.1	100.7	69.4	69.3	100.1	100.0	19.5	19.5	100.0	100.5	136	138	98.6	95.8
L3	6.8	6.9	98.6	107.9	68.8	68.7	100.1	100.1	69.6	69.4	100.3	100.3	19.3	19.6	98.5	99.5	136	137	99.3	95.8
Q3	7.2	6.6	109.1	114.3	68.8	68.5	100.4	100.1	69.3	69.4	99.8	99.8	19.2	19.0	101.0	99.0	139	136	102.2	97.9
S3	6.0	6.2	96.8	95.2	68.1	68.3	99.7	99.1	69.5	69.4	100.1	100.1	19.5	19.4	100.5	100.5	143	144	99.3	100.7
A4	6.4	6.6	97.0	101.6	69.7	69.4	100.4	101.4	69.9	69.6	100.4	100.7	19.0	19.0	100.0	97.9	150	144	104.2	105.6
B4	6.2	6.4	96.9	98.4	67.6	69.1	97.8	98.4	67.8	69.3	97.8	97.7	18.4	18.9	97.4	94.8	139	140	99.3	97.9
E4	6.4	6.5	98.5	101.6	69.0	69.0	100.0	100.4	69.3	69.3	100.0	99.8	18.8	18.4	102.2	96.9	142	140	101.4	100.0
J4		5.9				68.0				69.4				19.8				137		
L4	6.8	6.6	103.0	107.9	68.7	69.0	99.6	100.0	69.3	69.6	99.6	99.8	19.6	19.4	101.0	101.0	140	141	99.3	98.6
M4	6.7	6.7	100.0	106.3	68.2	68.5	99.6	99.3	69.0	69.4	99.4	99.4	17.6	17.8	98.9	90.7	151	149	101.3	106.3
N4	6.9	6.7	103.0	109.5	69.1	69.2	99.8	100.6	69.3	69.5	99.7	99.8	19.0	19.5	97.4	97.9	157	157	100.0	110.6
Q4	6.8	6.5	104.6	107.9	69.2	68.8	100.6	100.7	70.0	69.8	100.3	100.9	19.8	19.9	99.5	102.1	138	138	100.0	97.2
R4		5.6				68.0				69.6				20.3				142		
U4	6.2	6.6	93.9	98.4	69.1	69.3	99.7	100.6	69.3	69.5	99.7	99.8	19.6	20.0	98.0	101.6	141	141	100.0	99.3
FKBG DATA																				
CUR. AV.	6.4				68.6				69.3				19.4				143			
CUM. AV.	6.3				68.7				69.4				19.4				142			
IND. *D	101.6				99.8				99.8				100.0				100.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., #A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
C1	5.9	5.8	101.7	93.6	69.0	69.1	99.8	100.4	69.2	69.3	99.8	99.7					148	141	105.0	104.2
E1		5.8				67.4				68.9				21.1				150		
F1	6.4	6.0	106.7	101.6	69.0	69.1	99.8	100.4	69.2	69.3	99.8	99.7	19.0	19.1	99.5	97.9	151	145	104.1	106.3
H1	5.9	6.0	98.3	93.6	67.7	67.6	100.1	98.5	68.3	68.2	100.1	98.4	20.9	20.4	102.4	107.7	155	150	103.3	109.2
M1	5.0	6.0	83.3	79.4	67.8	68.1	99.6	98.7	69.8	69.4	100.6	100.6	18.3	18.5	98.9	94.3	138	140	98.6	97.2
T1	5.3	5.9	89.8	84.1	69.5	69.1	100.6	101.2	69.7	69.3	100.6	100.4	20.5	19.4	105.7	105.7	138	138	100.0	97.2
U1	6.9	7.0	98.6	109.5	68.3	68.9	99.1	99.4	69.0	69.5	99.3	99.4	19.8	19.1	103.7	102.1	140	138	101.4	98.6
V1	6.7	6.5	103.1	106.3	69.2	69.3	99.8	100.7	70.0	70.3	99.6	100.9	19.6	19.6	100.0	101.0	142	139	102.2	100.0
W1	6.0	5.8	103.4	95.2	69.4	69.2	100.3	101.0	69.6	69.4	100.3	100.3		20.1			143	142	100.7	100.7
Z1	5.9	5.7	103.5	93.6	68.3	68.1	100.3	99.4	69.7	69.7	100.0	100.4	19.2	20.0	96.0	99.0	145	146	99.3	102.1
B2		5.8				69.1				69.7				20.8				140		
C2	5.8	6.1	95.1	92.1	68.0	68.6	99.1	99.0	69.5	69.8	99.6	100.1	20.3	20.1	101.0	104.6	142	140	101.4	100.0
D2		6.9				69.1				69.6				19.6				142		
E2	6.8	6.5	104.6	107.9	69.0	69.1	99.8	100.4	69.2	69.3	99.8	99.7	19.5	18.2	107.1	100.5	142	143	99.3	100.0
O2	5.5	5.4	101.8	87.3	67.6	67.5	100.1	98.4	69.3	69.3	100.0	99.8	23.0	19.6	117.3	118.6	146	156	93.6	102.8
S2	5.9	6.3	93.6	93.6	69.4	69.4	100.0	101.0	69.6	69.6	100.0	100.3	21.3	21.1	100.9	109.8	161	150	107.3	113.4
X2	5.7	6.0	95.0	90.5	67.9	68.2	99.6	98.8	69.5	69.6	99.8	100.1	17.6	17.1	102.9	90.7	138	140	98.6	97.2
A3	6.7	6.4	104.7	106.3	68.4	68.0	100.6	99.6	69.2	69.0	100.3	99.7	21.9	21.2	103.3	112.9	149	149	100.0	104.9
F3	6.7	6.2	108.1	106.3	68.4	68.4	100.0	99.6	69.2	69.6	99.4	99.7	20.3	20.4	99.5	104.6	134	136	98.5	94.4
H3	5.4	5.8	93.1	85.7	69.3	69.2	100.1	100.9	69.5	69.4	100.1	100.1	20.4	20.8	98.1	105.2	139	140	99.3	97.9
I3		7.0				69.1				69.3				19.4				137		
L3	6.9	6.9	100.0	109.5	68.7	68.7	100.0	100.0	69.4	69.4	100.0	100.0	18.8	19.6	95.9	96.9	137	137	100.0	96.5
Q3	6.7	6.6	101.5	106.3	68.7	68.5	100.3	100.0	69.5	69.4	100.1	100.1	18.7	19.0	98.4	96.4	136	136	100.0	95.8
S3	6.3	6.2	101.6	100.0	68.0	68.2	99.7	99.0	69.1	69.4	99.6	99.6	19.3	19.4	99.5	99.5	145	143	101.4	102.1
A4	6.5	6.6	98.5	103.2	69.8	69.5	100.4	101.6	70.0	69.8	100.3	100.9	19.1	19.0	100.5	98.4	145	145	100.0	102.1
B4		6.3				68.9				69.1				18.8				140		
E4	6.5	6.5	100.0	103.2	69.0	69.0	100.0	100.4	69.3	69.3	100.0	99.8	18.9	18.4	102.7	97.4	142	140	101.4	100.0
J4		5.9				68.0				69.4				19.8				137		
L4	6.6	6.7	98.5	104.8	68.9	68.9	100.0	100.3	69.5	69.5	100.0	100.1	19.7	19.4	101.5	101.5	140	141	99.3	98.6
M4	6.6	6.7	98.5	104.8	68.3	68.5	99.7	99.4	69.2	69.3	99.8	99.7	17.4	17.8	97.8	89.7	159	149	106.7	112.0
N4	6.9	6.7	103.0	109.5	69.1	69.2	99.8	100.6	69.3	69.5	99.7	99.8	19.8	19.4	102.1	102.1	150	157	95.5	105.6
Q4	6.5	6.5	100.0	103.2	69.0	68.9	100.1	100.4	70.0	69.8	100.3	100.9	20.5	19.8	103.5	105.7	137	138	99.3	96.5
R4		5.6				68.0				69.6				20.2				142		
U4		6.4				69.2				69.4				19.8				142		
FKBG DATA																				
CUR. AV.	6.2				68.7				69.4				19.7				144			
CUM. AV.	6.3				68.7				69.4				19.4				142			
IND. #D	98.4				100.0				100.0				101.5				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB. FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1984				NOVEMBER, 1984				DECEMBER, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	120.0	116.1	103.4	102.8	126.0	117.3	107.4	108.1	124.0	118.7	104.5	106.4
E1		122.0				122.0				122.0		
F1	106.0	110.8	95.7	90.8	103.6	110.3	93.9	88.8	108.9	108.6	100.3	93.5
H1	119.0	120.8	98.5	102.0	118.0	120.3	98.1	101.2	117.0	120.0	97.5	100.4
M1	121.0	115.8	104.5	103.7	118.0	115.9	101.8	101.2	111.0	115.4	96.2	95.3
T1		123.2			123.0	122.7	100.2	105.5		121.8		
U1												
V1	124.0	129.9	95.4	106.2	134.0	126.9	105.6	114.9	127.0	127.2	99.8	109.0
W1	127.0	118.2	107.4	108.8	123.0	119.8	102.7	105.5	126.0	120.7	104.4	108.2
Z1	105.0	115.2	91.1	90.0	110.0	113.4	97.0	94.3	114.0	111.8	102.0	97.8
B2	112.0	121.3	92.3	96.0		120.0				122.6		
C2		114.2				113.8				114.8		
D2	140.0	132.5	105.7	120.0		135.0				137.4		
E2	119.3	122.1	97.7	102.2	113.1	123.7	91.4	97.0	120.7	123.8	97.5	103.6
O2	90.0	106.3	84.7	77.1	110.0	105.1	104.7	94.3	97.0	105.8	91.7	83.3
S2	104.0	104.7	99.3	89.1		104.5			99.0	104.5	94.7	85.0
X2	116.0	113.7	102.0	99.4	117.0	114.2	102.4	100.3	123.0	115.1	106.9	105.6
A3												
F3	102.0	113.2	90.1	87.4	116.0	112.2	103.4	99.5	109.0	111.7	97.6	93.6
H3	111.0	113.9	97.4	95.1	117.0	113.8	102.8	100.3	108.0	113.6	95.1	92.7
I3		124.0			130.0	124.3	104.6	111.5		125.1		
L3												
Q3												
S3	115.0	115.0	100.0	98.5	121.0	115.5	104.8	103.8	115.0	116.4	98.8	98.7
A4												
B4												
E4												
J4												
L4	114.0	119.1	95.7	97.7	114.0	118.6	96.1	97.8	118.0	118.2	99.8	101.3
M4	100.8	100.5	100.3	86.4	100.5	100.9	99.6	86.2	102.5	100.7	101.8	88.0
N4	109.0	113.7	95.9	93.4	121.0	113.8	106.3	103.8	105.0	114.1	92.0	90.1
Q4	124.0	114.4	108.4	106.2	117.6	115.4	101.9	100.8	131.1	115.2	113.8	112.5
R4		128.8				128.8				127.6		
U4												

FKBG DATA

CUR. AV.	114.0	117.5	114.2
CUM. AV.	116.7	116.6	116.5
IND. *D	97.7	100.8	98.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1	8.7	9.0	96.7	138.1	88.8	89.4	99.3	99.1	89.6	90.2	99.3	98.8	26.2	26.9	97.4	103.6	172	181	95.0	98.8
V1	6.5	6.5	100.0	103.2	90.9	90.7	100.2	101.4	92.2	92.0	100.2	101.6	26.0	26.3	98.8	102.8	158	154	102.6	90.8
W1		5.9				89.8				90.1				26.1				169		
Y1		6.1				89.4				91.0				27.3				182		
Z1	6.5	6.1	106.6	103.2	90.4	89.1	101.4	100.9	91.7	90.8	101.0	101.1	25.2	26.0	96.9	99.6	185	176	105.1	106.3
C2	5.9	6.1	96.7	93.6	90.0	89.2	100.9	100.4	91.9	90.8	101.2	101.3	26.5	26.5	100.0	104.7	151	165	91.5	86.8
E2	6.4	6.4	100.0	101.6	89.9	90.1	99.8	100.3	90.2	90.4	99.8	99.4	23.3	24.0	97.1	92.1	171	171	100.0	98.3
O2	5.0	5.4	92.6	79.4	87.8	88.2	99.5	98.0	90.4	90.5	99.9	99.7	27.0	25.9	104.2	106.7	169	176	96.0	97.1
X2	5.6	6.0	93.3	88.9	89.2	89.2	100.0	99.6	91.3	91.0	100.3	100.7	23.9	23.0	103.9	94.5	167	170	98.2	96.0
F3	6.1	5.8	105.2	96.8	89.4	89.3	100.1	99.8	91.0	91.3	99.7	100.3	26.4	26.6	99.2	104.3	161	165	97.6	92.5
H3	5.8	5.8	100.0	92.1	90.2	90.2	100.0	100.7	90.5	90.5	100.0	99.8	26.3	26.5	99.2	104.0	171	165	103.6	98.3
S3	5.9	6.5	90.8	93.6	88.9	89.0	99.9	99.2	90.8	90.3	100.6	100.1	24.9	25.1	99.2	98.4	177	172	102.9	101.7
A4	6.9	6.5	106.2	109.5	90.5	90.2	100.3	101.0	90.8	90.5	100.3	100.1	24.8	25.0	99.2	98.0	183	182	100.5	105.2
E4		7.2				90.0				90.4				26.3				163		
M4	6.8	6.8	100.0	107.9	89.3	89.6	99.7	99.7	90.3	90.5	99.8	99.6	23.2	23.2	100.0	91.7	184	188	97.9	105.7
N4	6.2	6.7	92.5	98.4	90.7	90.3	100.4	101.2	91.0	90.8	100.2	100.3	25.6	25.3	101.2	101.2	188	190	98.9	108.0
FKBG DATA																				
CUR. AV.	6.3				89.7				90.9				25.3				172			
CUM. AV.	6.3				89.6				90.7				25.3				174			
IND. *D	100.0				100.1				100.2				100.0				98.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1	9.1	9.0	101.1	144.4	89.0	89.3	99.7	99.3	89.8	90.1	99.7	99.0	26.7	26.8	99.6	105.5	171	179	95.5	98.3
V1	6.7	6.5	103.1	106.3	90.0	90.8	99.1	100.4	91.1	92.0	99.0	100.4	26.6	26.3	101.1	105.1	155	155	100.0	89.1
W1		5.8				89.8				90.1				26.2				168		
Y1		6.1				89.4				91.0				27.5				183		
Z1	6.4	6.1	104.9	101.6	89.4	89.2	100.2	99.8	90.7	90.9	99.8	100.0	25.3	25.9	97.7	100.0	185	177	104.5	106.3
C2	6.4	6.1	104.9	101.6	89.3	89.3	100.0	99.7	90.6	91.0	99.6	99.9	26.2	26.5	98.9	103.6	167	163	102.4	96.0
E2	6.7	6.4	104.7	106.3	89.9	90.0	99.9	100.3	90.2	90.4	99.8	99.4	24.3	23.9	101.7	96.0	160	171	93.6	92.0
D2		5.3				88.2				90.5				25.9				176		
X2	6.1	6.0	101.7	96.8	89.0	89.2	99.8	99.3	90.6	91.0	99.6	99.9	24.5	23.0	106.5	96.8	167	170	98.2	96.0
F3	6.3	5.9	106.8	100.0	89.5	89.4	100.1	99.9	90.9	91.2	99.7	100.2	26.4	26.6	99.2	104.3	162	165	98.2	93.1
H3	5.4	5.8	93.1	85.7	90.3	90.2	100.1	100.8	90.6	90.5	100.1	99.9	26.4	26.5	99.6	104.3	161	166	97.0	92.5
Q3	7.9			125.4	90.4			100.9	90.3			99.6	26.5			104.7	155			89.1
S3	6.2	6.4	96.9	98.4	88.9	89.0	99.9	99.2	90.4	90.3	100.1	99.7	25.3	25.1	100.8	100.0	179	172	104.1	102.9
A4	6.4	6.5	98.5	101.6	90.2	90.3	99.9	100.7	90.5	90.6	99.9	99.8	24.9	25.0	99.6	98.4	203	182	111.5	116.7
E4		7.2				90.0				90.4				26.3				163		
M4	6.7	6.8	98.5	106.3	89.1	89.5	99.6	99.4	90.2	90.5	99.7	99.4	23.4	23.2	100.9	92.5	179	188	95.2	102.9
N4	6.1	6.7	91.0	96.8	90.5	90.4	100.1	101.0	90.8	90.8	100.0	100.1	24.8	25.3	98.0	98.0	194	189	102.6	111.5
FKBG DATA																				
CUR. AV.	6.6				89.6				90.5				25.5				172			
CUM. AV.	6.3				89.6				90.7				25.3				174			
IND. *D	104.8				100.0				99.8				100.8				98.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		9.1				89.5				90.3				26.8				179		
V1	6.7	6.5	103.1	106.3	89.9	90.8	99.0	100.3	91.0	92.1	98.8	100.3	25.9	26.3	98.5	102.4	154	155	99.4	88.5
W1		5.8				89.8				90.1				26.2				168		
Y1		6.2				89.4				91.0				27.5				184		
Z1	6.0	6.2	96.8	95.2	88.5	89.3	99.1	98.8	90.3	90.9	99.3	99.6	25.6	25.9	98.8	101.2	183	178	102.8	105.2
C2		6.2				89.4				91.0				26.5				163		
E2	7.0	6.4	109.4	111.1	89.9	90.0	99.9	100.3	90.2	90.3	99.9	99.4	25.0	23.9	104.6	98.8	171	171	100.0	98.3
O2	5.2	5.3	98.1	82.5	88.5	88.1	100.4	98.8	91.0	90.5	100.6	100.3	26.0	26.0	100.0	102.8	182	176	103.4	104.6
X2	6.0	6.0	100.0	95.2	88.3	89.2	99.0	98.5	90.1	91.0	99.0	99.3	23.1	23.1	100.0	91.3	172	170	101.2	98.8
F3	6.0	5.9	101.7	95.2	88.2	89.3	98.8	98.4	90.0	91.2	98.7	99.2	26.3	26.6	98.9	104.0	167	165	101.2	96.0
H3	5.2	5.8	89.6	82.5	90.7	90.2	100.6	101.2	91.0	90.5	100.6	100.3	26.1	26.5	98.5	103.2	163	165	98.8	93.7
Q3		7.9				90.4				90.3				26.5				155		
S3	6.2	6.3	98.4	98.4	88.8	88.9	99.9	99.1	90.3	90.3	100.0	99.6	24.9	25.1	99.2	98.4	172	173	99.4	98.8
A4	6.8	6.5	104.6	107.9	89.0	90.4	98.4	99.3	89.3	90.7	98.4	98.4	25.6	25.0	102.4	101.2	182	184	98.9	104.6
E4	6.8			107.9	90.0			100.4	90.4			99.7	25.3			100.0	181			104.0
M4	6.8	6.8	100.0	107.9	89.5	89.5	100.0	99.9	90.5	90.4	100.1	99.8	22.9	23.2	98.7	90.5	191	188	101.6	109.8
N4	5.9	6.6	89.4	93.6	90.1	90.4	99.7	100.6	90.4	90.8	99.6	99.7	25.3	25.1	100.8	100.0	197	190	103.7	113.2
FKBG DATA																				
CUR. AV.	6.2				89.3				90.4				25.2				176			
CUM. AV.	6.3				89.6				90.7				25.3				174			
IND. *D	98.4				99.7				99.7				99.6				101.1			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1984				NOVEMBER, 1984				DECEMBER, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1	152.0	147.0	103.4	100.2	137.0	147.8	92.7	90.5		145.0		
V1	132.0	155.8	84.7	87.0	143.0	151.4	94.4	94.4	153.0	150.0	102.0	101.2
H1		158.1				159.6				159.6		
Y1		155.0				157.7				158.0		
Z1	156.0	148.6	105.0	102.8	135.0	149.4	90.4	89.2	158.0	148.0	106.8	104.5
C2		140.8				140.8				137.0		
E2	156.5	159.2	98.3	103.2	147.9	159.1	93.0	97.7	158.7	158.4	100.2	105.0
D2	123.0	143.8	85.5	81.1		141.8			150.0	141.8	105.8	99.2
X2	163.0	166.6	97.8	107.4	180.0	166.5	108.1	118.9	187.0	167.6	111.6	123.7
F3	145.0	155.6	93.2	95.6	149.0	154.6	96.4	98.4	149.0	152.2	97.9	98.5
H3	153.0	148.2	103.2	100.8	154.0	149.7	102.9	101.7	137.0	150.9	91.3	90.6
Q3												
S3	153.0	144.5	105.9	100.8	155.0	146.7	105.6	102.4	167.0	148.1	112.8	110.4
A4												
E4												
M4	144.7	140.3	103.1	95.4	137.7	141.3	97.4	91.0	145.0	141.3	102.6	95.9
N4	143.0	148.7	96.2	94.3	176.0	148.2	118.8	116.2	132.0	151.4	87.2	87.3
FKBG DATA												
CUR. AV.	147.4				151.5				153.7			
CUM. AV.	151.7				151.4				151.2			
IND. *D	97.2				100.1				101.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XXV. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during <u>any one or more</u> of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

OCTOBER, NOVEMBER, DECEMBER, 1984

	Conditioning Environment				Testing Environment
	Are Quality Samples	Procedure			Are Quality Samples Tested
Code	Conditioned Before Testing?	Time	Temp., °F	RH, %	Under Controlled Conditions of Temperature & Humidity?
C1	No	--	--	--	No
E1	Yes	20 min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
F1	No	--	--	--	No
H1	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
J1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
M1	No	--	--	--	No
T1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
U1	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
V1	No	--	--	--	No
W1	No	--	--	--	No
X1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
Y1	Yes	10 min	70	50	Yes: 70 ± 4°F; 50 ± 5% RH
Z1	Yes	10 min	70	50	Yes: 70 ± 4°F; 50 ± 5% RH
A2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
B2	No	--	--	--	No
C2	Yes	--	73	50	Yes: 73 ± 2°F; 50 ± 2% RH
D2	No	--	--	--	Yes: 73°F; 50% RH
E2	Yes	7 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
F2	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
G2	No	--	--	--	No
O2	No	--	--	--	Yes: 73°F; 50% RH
S2	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
X2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
A3	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
B3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
C3	Yes	10 min	70	50	Yes: 70 ± 4°F; 50 ± 5% RH
F3	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
G3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
H3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
I3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
L3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Q3	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
S3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
Y3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Z3	No	--	--	--	No
A4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
E4	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
G4	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
H4	No	--	--	--	Yes: 73°F; 50% RH
J4	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
L4	No	--	--	--	No
M4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
N4	No	--	--	--	Yes: 73°F; 50% RH
O4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Q4	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
R4	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
S4	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
T4	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
U4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH

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APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)}\right]$$

Note B: Machine factor (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative machine average}}\right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months exluding CMA for current month}}{12}$$

Note C: Machine index (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) $= \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

---

[a]CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

[b]CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.